IN THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF ALABAMA NORTHWESTERN DIVISION

RICHARD S. BYRD, *

*

Plaintiff, * Case No. 3:19-cv-398-CLS

V. *

*

FORD MOTOR COMPANY, *

*

Defendant. *

PLAINTIFF'S FIRST AMENDED COMPLAINT

THE PARTIES

- 1. Plaintiff Richard Byrd, ("Plaintiff") is an individual resident and citizen of Lauderdale County, Alabama.
- 2. Defendant, Ford Motor Company ("Ford") on information and belief is a Delaware corporation doing business in Lauderdale County, Alabama.
- 3. This Court has subject matter jurisdiction under 28 U.S.C. § 1332 (diversity jurisdiction).
- 4. The venue is proper under 28 U.S.C. § 1409 because the events giving rise to Plaintiff's cause of action occurred in this District.

FACTUAL ALLEGATIONS

5. This case arises out of fraud and misrepresentation regarding the quality

and design of a motor vehicle purchased by Plaintiff herein.

- 6. With the 2011 model year, Ford introduced a new 6.7-liter "Power Stroke" diesel engine used in both the model F-250 and the F-350 Pick Up Trucks. Ford claimed that the new engine enabled "a remarkable reduction" in emissions and fuel consumption.
- 7. Before the 2011 model year, Ford used Navistar diesel engines. The new diesel engine, manufactured by Ford, uses a "CP4" fuel injection system and fuel pump manufactured by Bosch, a European company.
- 8. These vehicles were heavily marketed on the internet and otherwise and in a 2010 press release Ford stated:

Multifaceted marketing campaign begins on the Internet

Truck customers increasingly rely on social media for technical information and networking, according to Ford research. In fact, more than 15,000 Super Duty conversations take place a month on forums such as powerstroke.org, dieselstop.com and www.ford-trucks.com. Furthermore, the top 10 Ford Super Duty enthusiast sites rival the membership of the top 10 sites dedicated to Ford Mustang, America's most popular muscle car. With these numbers in mind, Ford last September gave truck customers in-depth technical information about the new Super Duty at www.fordvehicles.com/2011superduty, a full seven months before the truck launched. ¹

9. The campaign was successful, and in June of 2010 Ford issued another press release stating in part:

¹ The full press release is attached as Exhibit 1 and incorporated by reference.

In May, for the second month in a row, sales of the all-new Super Duty more than doubled Ford's heavy-duty truck sales objective; Ford owns about 60 percent of the feet and commercial sales market, and fleet sales were up 32 percent in May[.]²

10. On February 25, 2010, Ford published a press release with the headline, "2011 Ford F-Series Super Duty Leads Heavy-Duty Trucks in Capability, Now Fuel Economy, Too[.]" The press release went on to represent the following:

The strict testing work also ensured the new engine is B20 compatible, which allows customers another fueling option that uses blends of up to 20 percent biodiesel and 80 percent petroleum diesel. Because biodiesel fuel varies in quality in the U.S. and Canada, durability testing cycles were run on multiple blends of the fuel to ensure the robustness of the system. This is especially important to the agricultural industry, where biodiesel is often the preferred fuel.³

- 11. Ford also stated, in the same press release, that the vehicles were the "cleanest Super Duty diesel ever" with "best-in-class fuel economy" and using a unique combustion system to meet state and federal emissions requirements.
- 12. Finally Ford represented that the vehicles were compatible with American diesel fuel and in a March 9, 2010 press release stated: "[The 2011 Ford F-Series Super Duty Power Stroke Diesel is Cleanest Ever; Fuel Economy Greatly Improved[.]", and "The new diesel engine is B20 biodiesel compatible, and the new

² Exhibit 2 is attached as and incorporated by reference.

³ Exhibit 3 is attached as and incorporated by reference.

gas engine is E85 compatible, providing customers a wide range of fueling options[.]"⁴

- 13. As shown above, these vehicles were marketed from 2010 to the present as environmentally-friendly trucks that combined high fuel efficiency and performance with very low emissions.
- 14. However, Ford lied to both consumers and regulators because in real-world use the diesel engines emitted Nitrogen Oxide (NOX) and other pollutants over lawful amounts.
- 15. Moreover, the trucks were sold with fuel pumps and injection systems that Ford knew were incompatible with American diesel fuels.
- 16. The "Diesel supplement" to the owner's manual for Plaintiff's vehicle cautions owners that:

You should use Ultra-Low Sulfur Diesel fuel (also known as ULSD) designated as number 1-D or 2-D with a maximum of 15-ppm sulfur in your diesel vehicle. You may operate your vehicle on diesel fuels containing up to 20% biodiesel, also known as B20. These fuels should meet the ASTM D975 diesel or the ASTM D7467 B6-B20 biodiesel industry specifications. Outside of North America, use fuels meeting EN590 or equivalent local market standard.

17. This is because applicable U.S. regulations and rules require the use of Ultra Low Sulfur Diesel ("ULSD"). ULSD is diesel fuel that contains no more than

⁴ Exhibit 4 is attached as and incorporated by reference.

15 parts per million of sulfur.

- 18. The refining process used in the U.S. results in an exceptionally "dry" form of diesel fuel which does not supply sufficient lubrication for the fuel pumps, and this was known to Ford at all applicable times.
- 19. In Ford's sales brochure it was represented to Plaintiff and others that the Power Stroke engines were compatible with "Ultra-low-sulfur diesel or B20 (containing 20% or less biodiesel)[.]"⁵.
- 20. On information and belief, the "CP4" fuel injection system and fuel pump are defective, and at all relevant times, Ford knew they were inadequate because they were made to European standards. European diesel fuel is formulated differently and is a much better lubricant.
- 21. The lack of proper lubrication causes, among other things, the fuel pumps to wear out prematurely often causing fuel system and engine damage.

Plaintiff's Purchase

- 22. During October of 2013 Plaintiff was shopping for a new vehicle.
- 23. Plaintiff had seen Ford's television commercials, internet and other advertisements, including sales brochures, touting the quality, superiority, and utility of the Ford Super Duty Pickup trucks.

⁵ See Exhibit 5 at page 4.

- 24. According to Ford, the Super Duty Trucks were "built Ford tough", and had superior horsepower, reliability and durability compared to other trucks in the American market.
- 25. Also, Ford stated in its sales brochure, "This B20-capable engine is the most tested Power Stroke diesel ever, having proven itself in over 10 million miles of cumulative testing and real-world use under extreme conditions." *Id*.
- 26. Relying on Ford's advertising and other representations, on or about October 17, 2013, Plaintiff entered into a Motor Vehicle Purchase Contract with Long-Lewis Of The Shoals for the purchase of a 2014 Ford F-250 Super Duty, VIN 1FT7W2BT7EEA51389 (hereinafter referred to as the "Ford" or "vehicle").
 - 27. The vehicle was equipped with a 6.7-liter Power Stroke diesel engine.
 - 28. The purchase price was approximately \$59,225.20.
- 29. As part of its fraud and scheme, Ford charged a premium price for vehicles with the "Power Stroke" diesel engine.
- 30. The Ford's representations herein are material because Plaintiff could have purchased a gasoline-powered truck for much less but, relying on representations made by Ford, paid a premium price for a vehicle with the diesel engine.
- 31. The representations by Ford that the engine was environmentally friendly and a "clean diesel" were false and at all relevant times, Ford knew they

were false.

- 32. The reduction of emissions from the "Power Stroke" engines only occurred when the vehicle operated in the conditions present in an emissions testing environment. With day-to-day use outside of a testing environment, the vehicles polluted heavily.
- 33. In addition, Ford understood that American diesel fuel did not correctly lubricate the diesel fuel pumps but continued to use them in vehicles like the plaintiff's regardless.
- 34. The average cost for a Ford F-250 Super Duty diesel injection pump is, on information and belief, between \$1,577 and \$2,465.
- 35. Plaintiff has replaced the fuel pump in the vehicle at issue on two separate occasions.
- 36. Plaintiff was damaged by the loss of use of the truck and out of pocket expenses because of the failure of the defective fuel pumps.

PATTERN AND PRACTICE

- 37. Ford F-250 and F-350 Super Duty vehicles with diesel engines manufactured from 2011 to 2017 produce emissions above the required legal standards. In addition, Ford sold these vehicles with defective or out of specification fuel pumps.
 - 38. These vehicles were defective as stated herein, and Plaintiff has

suffered damages for Ford's breach of warranty and misrepresentation such as loss of money, loss of use of the vehicle, premature deprecation, loss of value, loss of time, aggravation and mental anguish.

- 39. The statute of limitations is tolled as to Plaintiff's emissions claims, due to the commencement of a nationwide class action, based on same or similar allegations, *Len Gamboa, et. al. v. Ford Motor Company, et. al.* Case 18-cv-10106 filed 01/10/2018, filed in the Eastern District of Michigan. See *American Pipe & Construction Co v. State of Utah*, 414 U.S. 538.
- 40. The statute of limitations is also tolled as to Plaintiff's defective fuel pump claims, due to the commencement of another nationwide class action, based on same or similar allegations, *Nunez et. al. v. Ford Motor Company* Case No. 1:18-cv-25211-UU, presently pending in the Southern District of Florida.⁶
- 41. Plaintiff relied on representations contained in Ford's media advertising and printed material when making the decision to purchase the vehicle at issue.
- 42. If Plaintiff had known about these defects at the time of sale, Plaintiff would not have purchased the vehicle or would have paid less for it.
 - 43. Based on Ford's omissions and/or misrepresentations, Plaintiff suffered

8

⁶ A motion to transfer the *Nunez* class action to the Northern District of California Pursuant to 28 U.S.C. § 1407 for Coordinated or Consolidated Pretrial Proceedings, was filed with the Judicial Panel on Multidistrict Litigation on August 21, 2019.

a loss of money, property and/or value of their vehicle, including but not limited to, out of pocket costs.

- 44. Plaintiff's purchase of the vehicle was accompanied by express warranties offered by Ford and extending to the Plaintiff.
- 45. These warranties were part of the basis of the bargain of Plaintiff's contract for the purchase of the vehicle.
- 46. The basic warranty covered any repairs or replacements needed during the warranty period due to defects in factory materials or workmanship. All warranty repairs and adjustments, including parts and labor, were to be made at no charge. Additional warranties were set forth in the warranty guide and the Ford owner's manual.
- 47. Although the emissions control and fuel pump were the major problems with the vehicle Plaintiff has had numerous other problems with the vehicle resulting in loss of use of the vehicle, lost time, loss of money and aggravation.
- 48. Ford's brochures represented that the Super Duty has "best-in-class towing capabilities," but suppressed the fact that this capability was made possible by software that turned down emission controls.
- 49. The representations by Ford that the engine was environmentally-friendly and a "clean diesel" were false and at all relevant times Ford knew they were false.

50. Plaintiff could have purchased a model comparable gasoline-powered vehicle for approximately \$10,000 less, but instead paid an inflated price for the "clean diesel" with a known fuel system problem.

COUNT ONE FRAUD

- 51. Plaintiff realleges and adopts all of the foregoing relevant paragraphs contained in this Complaint.
- 52. This action is brought pursuant to the Code of Alabama, 1975, § 6-5-100, 6-5-101, and other applicable law.
 - 53. The vehicle was defective as described above.
- 54. Ford was aware of the defects of said vehicle and failed or refused to correct said defects before it was offered for sale to the public
- 55. Said representations regarding the quality of the vehicle and the Power Stroke Engine specifically were false and Ford knew they were false. Ford intentionally suppressed the fact that the vehicle had numerous serious defects as stated herein.
- 56. Plaintiff believed Ford's representations, reasonably relied on them and innocently acted upon them by purchasing the vehicle.
- 57. As a proximate result of said representations made by Ford, Plaintiff was caused to suffer injuries and damages.

WHEREFORE, Plaintiff demands judgment against Ford as follows:

- a. Compensatory and Consequential damages;
- b. Punitive damages;
- c. Reasonable attorney's fees;
- d. Costs of this action;
- e. Whatever further and different legal and/or equitable relief to which the Plaintiff may be entitled in this cause.

COUNT TWO FRAUD IN THE INDUCEMENT

- 58. Plaintiff realleges and adopts all of the foregoing relevant paragraphs contained in this Complaint.
- 59. Ford represented to Plaintiff that said vehicle made the subject of this action would be delivered free from defects and if there were defects, the said defects would be promptly repaired.
- 60. In fact, the vehicle was not free from defects and was not fit for its ordinary and particular uses.
- 61. The representations above, which were made to Plaintiff, were, in fact, false and fraudulent. Said representations made by Ford induced the purchase said vehicle.

WHEREFORE, Plaintiff demands judgment against the defendant, Ford, for

actual and punitive damages, separately and severally, in an amount in excess of the jurisdictional requirements of this court, plus costs and interest.

COUNT THREE BREACH OF EXPRESS WARRANTY

- 62. Plaintiff realleges and adopts all the foregoing relevant paragraphs contained in this Complaint.
- 63. Ford represented and warranted to Plaintiff that said vehicle purchased was free of defects. It was further represented to Plaintiff that if any defects were discovered that the same would be promptly corrected.
- 64. After purchasing said, vehicle Plaintiff discovered the defects as stated which render the vehicle unsafe and less valuable.
- 65. Plaintiff alleges that there are other numerous defects not listed above.

 WHEREFORE, Plaintiff demands judgment against the defendant, Ford, as follows:
 - a. Compensatory punitive damages;
 - b. Consequential damages;
 - c. Reasonable attorney's fees pursuant to Ala. Code 1975 §
 - 8-20-8;
 - d. Costs of this action; and
 - e. Whatever further and different legal and/or equitable relief

to which the Plaintiff may be entitled in this cause.

COUNT FOUR BREACH OF IMPLIED WARRANTY

- 66. Plaintiff realleges and adopts the relevant foregoing paragraphs in this Complaint.
- 67. At the time of the Plaintiff's purchase, Defendant expressly warranted and warranted by implication the vehicle was free from defects and was fit for its ordinary and particular uses or if there were defects, that the same would be promptly repaired to the Plaintiff's satisfaction.
- 68. The total cash price of the said vehicle at issue in the cause was \$59,225.20 and Plaintiff found that the said vehicle was defective as stated above.
- 69. Plaintiff further avers that the defendant, Ford, has been notified of the existence of said defects. Plaintiff was promised that the defects would be repaired, but the defendant, Ford, failed and/or refused to correct said defects.

WHEREFORE, Plaintiff demands judgment against the defendant, Ford, as follows:

- a. Compensatory and punitive damages;
- b. Consequential damages;
- c. Reasonable attorney's fees;
- d. Costs of this action; and

e. Whatever further and different legal and/or equitable relief to which the Plaintiff may be entitled in this cause.

COUNT FIVE VIOLATION OF MAGNUSON-MOSS WARRANTY ACT (15 U.S.C. § 2301, et seq.)

- 70. Plaintiff incorporates by reference the relevant prior allegations as though here fully realleged.
- 71. Plaintiff is a "consumer" as defined in the Magnuson-Moss Warranty Act (hereinafter referred to as the "Warranty Act"), 15 U.S.C. § 2301(3).
- 72. The manufacturer, Ford, is a "seller" and "warrantor" as defined by the Warranty Act, 15 U.S.C. § 2301(4), (5).
- 73. The vehicle in question is a "consumer product" as defined in the Warranty Act, 15 U.S.C. § 2301(1).
 - 74. The vehicle in question was manufactured and sold after July 4, 1975.
- 75. The express warranties given by Manufacturer and/or required by statute to be given by the Manufacturer, pertaining to the vehicle are "written warranties" as defined in the Warranty Act, 15 U.S.C. § 2301(6).
- 76. That this sales transaction is subject to the provisions and regulations of the Magnuson-Moss Warranty Act (15 U.S.C. § 2301, et seq).
- 77. The above-described actions including but not limited to, the failure of Defendant to honor the warranty constitute a breach of the written warranties and

the Warranty Act.

WHEREFORE, Plaintiff is entitled to recovery of all monies paid on the

vehicle and to damages in the form of all out-of-pocket expenses and all other

damages, including exemplary and consequential damages as determined by the

truer of fact, together with all costs and actual reasonable attorney fees as provided

for by statute and for whatever other legal and equitable relief the Court may deem

proper.

DATED this the day of September 2019.

/s/ Earl P. Underwood, Jr.

EARL P. UNDERWOOD, JR. (UND008)

UNDERWOOD & RIEMER, PC

21 South Section Street

Fairhope, Alabama 36532

Telephone: (251) 990-5558 **Facsimile:** (251) 990-0626

epunderwood@alalaw.com

PLAINTIFF DEMANDS A TRIAL BY STRUCK JURY OF THE ISSUES IN

THIS CASE.

/s/ Earl P. Underwood, Jr.

15

Case 3:019F0RDGUSFBDCTYMARUSTNAPEMDDSTRAFFBJRUS/CBGVSS-FEAGEPIGSGBSAE-Ford

Print this page

2019 Sep-04 PM Close U.S. DISTRICT COURT N.D. OF ALABAMA

Ford Motor Company

2011 FORD SUPER DUTY MARKETING DEMONSTRATES TRUCK'S CLASS-LEADING CAPABILITY, FUEL ECONOMY

• Bold new marketing campaign for all-new 2011 Ford F-Series Super Duty begins with Webisodes, online chats, television and print ads all demonstrating class-leading towing and payload capability, fuel economy and productivity

Ford unveiled its new Super Duty marketing campaign at the grand opening of Toby Keith's I Love This Bar & Grill in Auburn Hills, Mich.

2011 Ford Super Duty, with Ford-engineered, Ford-built 6.7-liter Power Stroke® diesel and all-new 6.2-liter gas engine, is arriving in U.S. dealerships now

A bold, new marketing campaign for the 2011 Ford F-Series Super Duty shifts in high gear with multi-media advertising -- including this print ad -- aimed squarely at Super Duty customers.

AUBURN HILLS, Mich., April 7, 2010 - Ford today kicked into high gear its advertising and marketing campaign for the all-new 2011 Ford F-Series Super Duty at a preview of Web and TV spots at the grand opening of Toby Keith's I Love This Bar and Grill.

Timed with the arrival of new Super Duty trucks in U.S. and Canadian dealerships, the multifaceted marketing campaign demonstrates the truck's classleading tow ing and payload capability, fuel economy and productivity against the competition.

The campaign includes a series of new Webisodes, which go live today, featuring Dirty Jobs' Mike Rowe. Television spots narrated by entertainer Denis Leary will begin in mid-April. And partnerships with stars such as Toby Keith kick off this summer when Ford sponsors Keith's 2010 America's Toughest Tour.

"Fundamental to the new Super Duty marketing initiative is Ford's intimate know ledge of the truck customer," said Doug Scott, Ford Truck Group Marketing manager.

"Our customers are huge Toby Keith fans, they enjoy a wide array of sports, and they use their trucks for all sorts of work - from home repair projects to major industrial commercial work," he said. "Our deep understanding of this customer guides everything we do, from engineering to marketing and advertising."

Multifaceted marketing campaign begins on the Internet

Truck customers increasingly rely on social media for technical information and networking, according to Ford research. In fact, more than 15,000 Super Duty conversations take place a month on forums such as powerstroke.org, dieselstop.com and www.ford-trucks.com. Furthermore, the top 10 Ford Super Duty enthusiast sites rival the membership of the top 10 sites dedicated to Ford Mustang, America's most popular muscle car.

With these numbers in mind, Ford last September gave truck customers in-depth technical information about the new Super Duty at www.fordvehicles.com/2011superduty, a full seven months before the truck launched.

"We wanted to make sure the Super Duty customer had access to all new information about the truck, including what went on behind the scenes," said Eric Peterson, Ford Truck Communications manager. "We show ed them how our engineers and our fleet customers tested the new Power Stroke diesel. Now, we're showing them how the truck performs against the competition."

The first set of Webisodes, released last fall, demonstrated the engineering expertise and extreme testing that went into building Super Duty's new 6.7liter Pow er Stroke diesel engine, w hich delivers best-in-class horsepow er, torque and fuel economy. The second set, w hich w ent live in February, featured fleet customers in Wyoming, Florida and Texas driving preproduction trucks on their job sites in severe weather and extreme off-road

Now, with the third series of Webisodes, titled "Head to Head," the new Super Duty goes head-to-head against the Dodge Ram HD and Chevrolet Silverado HD in exercises that matter most to customers - tow ing confidence, tow ing capability and fuel economy. TV's Mike Row e and Super Duty Chief Engineer Chris Brew er host the three segments.

Additionally, Brew er and members of his engineering team have been holding online chats with customers on sites such as www.thefordstory.com and www.ford-trucks.com.

"Our customers want real, unfiltered access and that's what we're providing – unprecedented access to our engineers and insight into the team that built the Super Duty and its new powertrain," said Peterson. "Instead of having other people speculate about what the answers are, we wanted to have our Ford engineers engaged in the conversations."

A "buzz" section on the Super Duty Web site includes links to some of the most relevant information being discussed on the Internet.

Super Duty television and print ads: Straight to the point

The television ads for Super Duty represent a distinct evolution of the F-150 "rant" campaign – straightforward, no-nonsense and a proven success, according to Eric Sw anson, vice president and account director for Nielsen Automotive, the world's leading marketing and media information company.

"When the rant campaign first launched for the 2009 F-150, it was recognized by Nielsen as one of the Top Ten Most Liked ads," Swanson said. "View ers told us the ads are informative and clever and have shifted their opinion in a positive direction, not only for the truck but for the Ford brand in 8/29/2019 general."

Rant is aimed squarely at core truck buyers. The ads will begin airing in mid-April during programming watched regularly by Super Duty customers, such as NASCAR, NBA, NHL and Major League Baseball.

Three television spots place the truck in a distinctive black-and-white setting and focus on Super Duty's new powertrain as well as its towing capability and confidence and fuel economy leadership.

The print ads also are direct and to the point. Five ads highlight the same capability themes and will run in print publications that appeal to the interests and vocations of the Super Duty customer, such as Sports Illustrated, Field & Stream, Popular Science and Builder.

Building engagement through targeted alliances

In addition to Web, print and TV ads, the Super Duty marketing campaign includes a strong emphasis on communicating with existing owners through sponsorships and alliance partnerships.

Ford F-Series' longtime alliances with key events and organizations help Ford connect in a personal way to customers' recreational and vocational interests.

In addition to sponsoring Toby Keith's concert tours, Ford alliance partnerships include organizations such as Monster Jam, Professional Bull Riders, Future Farmers of America, the American Quarter Horse Association and the Dallas Cow boys.

"Our alliances are another way in which we continue to develop deeper and long-lasting relationships with our truck customers," said Scott.

2011 F-Series Super Duty: Legacy continues for America's premier work truck

Ford's F-Series has been the best-selling line of trucks in the U.S. for 33 straight years and in Canada for 44 years. With class-leading torque, horsepower, fuel economy and towing and payload capability, the new Super Duty further underscores its Built Ford Tough legacy.

For 2011, Super Duty features both all-new diesel and gasoline engines mated to a new TorqShift six-speed transmission. The new 6.7-liter Power Stroke V-8 turbocharged diesel was designed, engineered and built by Ford engineers dedicated solely to delivering this class-leading diesel to the nextgeneration Super Duty to enable best-in-class towing, payload and fuel economy.

The new Pow er Stroke pumps out a best-in-class 735 ft.-lb. of torque at 1,600 rpm and 390 horsepow er at 2,800 rpm, enabling the 2011 Super Duty's class-leading towing capability of 24,400 pounds. The 2011 Super Duty also has class-leading payload capability of 6,520 pounds.

The 2011 Super Duty is on sale now at Ford dealerships in the United States and Canada.

###

About Ford Motor Company

Ford Motor Company, a global automotive industry leader based in Dearborn, Mich., manufactures or distributes automobiles across six continents. With about 198,000 employees and about 90 plants worldwide, the company's automotive brands include Ford, Lincoln, Mercury and, until its sale, Volvo. The company provides financial services through Ford Motor Credit Company. For more information regarding Ford's products, please visit www.ford.com.

> Dealer Directory | Site Map | Contact Ford | [+] Site Feedback Privacy | Your California Privacy Rights | Corporate Governance Copyright 2010 Ford Motor Company. All rights reserved.

Ford Super Duty Customer Testing Extended; More Power, Fuel Economy Reported

NEWS PROVIDED BY Ford Motor Company → Jun 25, 2010, 09:00 ET

DEARBORN, Mich., June 25 /PRNewswire-FirstCall/ --

- Based on customer demand, an unprecedented testing program of 2011 Ford F-Series
 Super Duty diesel trucks is being extended as commercial customers push the preproduction trucks to their limits
- Two Texas-based companies, Reynolds Asphalt & Construction and TexOp Construction, are using their trucks through the busy road-construction season and into winter for a year's worth of severe-duty testing; Florida Power & Light Company is working its trucks in challenging environments that include the swamps of the Florida Everglades; those four trucks have racked up an average of nearly 22,000 miles since the testing program began late last year
- Customers report significantly increased fuel economy up to 25 percent over the truck it replaced depending on use
- In May, for the second month in a row, sales of the all-new Super Duty more than doubled Ford's heavy-duty truck sales objective; Ford owns about 60 percent of the fleet and commercial sales market, and fleet sales were up 32 percent in May

• Regular fieldstest fleet ปฏิวัติสัยริโลริย สิ่งสมัยชายาสังพพิ่งเรื่อง ชิ่งใช้ เลือน ครั้ง เลือน white seam field work pull-down menu

The new 2011 Ford F-Series Super Duty is fitting in so well on the job that it's being asked to stick around longer. Based on customer requests, Ford Motor Company is extending its unprecedented Ford F-Series Super Duty fieldwork evaluation program through the end of 2010 to select extreme-duty commercial customers. That means these preproduction Super Duty models will have earned their keep for a full year in some of the toughest work environments around.

The overwhelmingly positive feedback from these severe-duty users - and their desire to extend the program - confirms the thoroughness of the rigorous testing procedures developed for the 2011 Super Duty as it evolved from raw data to computer images to actual vehicle.

"We tested the 2011 Super Duty in every situation imaginable throughout the development process, but nothing can replace these real-world scenarios," said Chris Brewer, chief engineer of the 2011 Super Duty.

In Texas, for example, two businesses are working their 2011 Super Duty trucks to the extreme during the busy road-construction season. Both Reynolds Asphalt & Construction Co. of Euless and TexOp Construction of Roanoke have evaluation trucks equipped with the new 6.7-liter Power Stroke® V-8 turbocharged diesel engine and the 6R140 heavy-duty TorqShift™ six-speed automatic transmission.

The vehicles used by Florida Power & Light Company are driven all around the Sunshine State, on-road and off-road, often traveling up to 600 miles a day. They also power through swampy terrain in the Florida Everglades or bull across inaccessible roads to get power back online and respond to other customer needs.

Outstanding fuel economy while standing up to harsh conditions

Reynolds Asphalt has a 2011 Super Duty F-550 4x2 dual rear-wheel chassis cab upfitted with a mechanic's bed to use as a service truck for the company's heavy-duty equipment. Essentially a garage on wheels, it services rollers, pavers and other support equipment. The F-550 chassis cab,

with class-exclusive นิ่งใช้ เป็น เป็น (power (akeeff), arriies ฟอฟ เป็น eqนิกับการที่ เรื่อง pressors and a crane body to expedite repairs.

The Live Drive PTO output gear is linked through the torque converter to the engine crankshaft. The power is available any time the engine is running, with the vehicle moving as well as stationary.

"The 2011 Super Duty is a big key to boosting productivity because we can use it to get to locations not easily accessible and get equipment repaired," said George White, equipment manager of Reynolds Asphalt.

The total weight of added equipment approaches the maximum payload limits of the class-leading 19,500-pound GVWR (gross vehicle weight rating) of the F-550 truck.

"We definitely have it loaded down, but the fuel mileage has been excellent - about a 20 to 25 percent improvement in highway situations over the truck it replaced," said White.

The work will get even tougher in the coming months, as Texas already has seen 100-degree temperatures.

TexOp truck busy day and night

TexOp Construction is working a 2011 Super Duty F-350 4x4 Crew Cab XL dual rear-wheel pickup outfitted with toolboxes to assist with maintenance. It also tows Bobcats and other equipment on a double-axle tandem gooseneck trailer to job sites.

"This truck has a lot more power and better mileage," said Richard Webb, equipment and construction manager for TexOp Construction. "The throttle response and acceleration are outstanding. We're glad to have it during this upcoming busy season."

The Super Duty F-350 is used on the highway and off-road in about a 50-50 split. "We have to drive it on basically what's going to be the base of the road, which can be slick mud," said Webb. "It's kind of an obstacle course, really."

This 2011 F-350 Peaces a Good ble iffe, Working owners, 600 Falce 18/26/14 an Englading forse trailers and hauling hay and ranch equipment.

Florida Power & Light trucks ready at a moment's notice

Florida Power & Light Company employs a 2011 Ford F-250 Super Duty XL Super Cab 4x4 and an F-250 XLT Crew Cab 4x2. The 4x2 truck is used for towing about 20 percent of the time with the 4x4 truck towing and/or off-road about 80 percent of the time.

The main use of the truck is to keep underground - and underwater - power cables online. This entails driving all around Florida's highways and "off the beaten path" to areas inaccessible to most vehicles.

"In our business, we need a truck that delivers outstanding fuel economy on the highway and also is capable of tackling the wetlands, swamps and ditches," said Ray Haering, acquisition specialist for Florida Power & Light. "Our Super Duty pickups have been outstanding meeting those needs."

The new 6.7-liter Power Stroke V-8 turbocharged diesel engine is significantly quieter than the outgoing product, which makes using the available hands-free SYNC® system that much easier - and more productive.

"Before, you literally had to pull over and shut off the engine to talk," said Joe Heatherly, Florida Power & Light driver. "This new engine is so much quieter, and with the SYNC system, we're now much more productive.

"We can stay on the road and conduct business, stay in contact with the office or contractors or customers - all without driver distraction. We run up 3,000 or 4,000 minutes a month on our phones, so this has been a tremendous time saver and a huge benefit and more valuable than I would have imagined."

The towing capability of the new Super Duty has been put to the test by both a 9,000-pound long-bed trailer that tows a 26-foot boat that aids in service efforts and an enclosed box trailer.

"With the power, and we are the the performance, with the power, and there's nothing back there - it's that easy," said Heatherly.

Heatherly has been impressed with the new diesel's power and fuel economy as well as the new Super Duty's off-road capability - even with his two-wheel-drive truck.

"The off-road performance has been close to what you might expect with a four-wheel-drive truck. I was shocked," said Heatherly.

Florida Power & Light also regularly takes advantage of the new Super Duty's increased biodiesel capability. The new diesel engine is B20 compatible, which allows customers an additional fueling option that uses blends of up to 20 percent biodiesel and 80 percent petroleum diesel. This option is increasingly important to companies looking to "green" their fleets.

"Because of the extensive development work done with the 2011 Super Duty, especially with the new diesel engine, we had every confidence that even preproduction examples would be outstanding performers," said Doug Scott, Ford Truck marketing manager. "With these trucks delivering outstanding capability and fuel economy, it's understandable why these businesses want to keep them on the team as long as possible."

About Ford Motor Company

Ford Motor Company (NYSE: F), a global automotive industry leader based in Dearborn, Mich., manufactures or distributes automobiles across six continents. With about 176,000 employees and about 80 plants worldwide, the company's automotive brands include Ford, Lincoln and Mercury, production of which has been announced by the company to be ending in the fourth quarter of 2010, and, until its sale, Volvo. The company provides financial services through Ford Motor Credit Company. For more information regarding Ford's products, please visit www.ford.com.

SOURCE Ford Motor Company

Case 3:19-cv-00398-CLS Document 22 Filed 09/06/19 Page 23 of 54

Ford Motor Company

2019 Sep-04 PM 07:53
U.S. DISTRICT COURT
Close N.D. OF ALABAMA

2011 FORD F-SERIES SUPER DUTY LEADS HEAVY-DUTY TRUCKS IN CAPABILITY, NOW FUEL ECONOMY, TOO

The most capable heavy-duty pickup in America – the Ford F-Series Super Duty – also is the
most powerful and fuel efficient for the 2011 model year, offering customers their choice of either
gas or diesel engines

2011 F-Series Super Duty

- Fuel economy on the all-new 2011 Ford F-Series Super Duty equipped with the 6.7-liter Power Stroke® V-8 diesel engine averages an 18 percent improvement for pickup models and up to 25 percent improvement for chassis cabs versus 2010 models. Trucks equipped with new base 6.2-liter V-8 gas engines average a 15 percent improvement versus 2010 models
- The all-new Ford-engineered, Ford-designed, Ford-built 6.7-liter Power Stroke V-8 turbocharged diesel engine has best-in-class torque of 735 ft.-lb. (at 1,600 rpm) and best-in-class 390 horsepower (at 2,800 rpm) 85 ft.-lb. and 40 horsepower more than the outgoing model with best-in-class fuel economy; new engine is B20 biodiesel compatible, too
- All-new 6.2-liter V-8 gas engine is also best-in-class with 385 horsepower and 405 ft.-lb. of torque 85 more horsepower and 40 ft.-lb. of torque more than the current 5.4-liter V-8 gas engine. It also delivers class-leading fuel economy and E85 compatibility
- All-new powertrains are the backbone of the new 2011 F-Series Super Duty, which has class-leading towing capability of 26,400 pounds on chassis cabs, 24,400 pounds on pickups; best-in-class payload capability of 12,711 pounds on chassis cabs, 6,520 pounds on pickups

2011 FORD F-SERIES SUPER DUTY MEDIA SITE

DEARBORN, Mich., Feb. 25, 2010 – The new 2011 Ford F-Series Super Duty delivers the most heavy-duty truck horsepower. Top torque. Industry-best towing capability and payload. Fuel economy leadership. In short, the new Super Duty delivers leadership in every feature that matters to heavy-duty truck customers.

With Ford-built diesel and gas powertrains, the all-new Ford Super Duty dominates the competition in payload, conventional towing, fifth-wheel towing and gross combined weight rating in both pickups and chassis cabs. Diesel engines account for 65 percent of the Super Duty sales, with gas engines making up the remaining 35 percent.

The new 6.7-liter Power Stroke V-8 turbocharged diesel – designed, engineered and built by Ford – delivers class-leading fuel economy as well as best-in-class 390 horsepower and 735 ft.-lb. of torque – that's 75 ft.-lb. more than its nearest competitor in the market today. Plus, the new Super Duty fuel economy improvement averages 18 percent better for pickup models and up to 25 percent for chassis cab versus the outgoing Super Duty.

Significantly improved torque – 85 ft.-lb. more than the current 6.4-liter Power Stroke diesel – is good news for the nearly 97 percent of Super Duty customers who tow and helps the 2011 Super Duty deliver class-leading towing capability of 26,400 pounds with the F-550 chassis cab. The 2011 Super Duty also has class-leading payload capability of 6,520 pounds.

"Having best-in-class numbers is powerful, but the real payoff is how those numbers deliver for our customers," said Mark Fields, Ford president of The Americas. "For 33 years, F-Series has been the No. 1-seller in America because we listen to our customers. With Super Duty, they've told us how they use their trucks to tow, and on the new truck, we focused on delivering best-in-class towing capability for them with new powertrains that deliver best-in-class power and best-in-class fuel economy."

Built to last, just the way customers like

During the Super Duty's development, engineers put more than 10.3 million equivalent test miles on the new diesel engine, including extreme road and weather conditions. The new Power Stroke diesel is the most-tested Power Stroke ever, incorporating the most rigorous engine tests found in Ford globally.

Extensive CAD (computer-aided design) and CAE (computer-aided engineering) work was completed to identify any potential challenges before hardware was created, which not only is time-efficient but also helps ensure quality at the outset.

Customer data, including driving styles, road types and vehicle usage (towing and payload), also played a key role in developing the testing program that best replicated Super Duty use.

Components were tested in the laboratory with a regimen designed to exceed what even the most extreme-use customer might dish out. Engines literally ran continuously for hundreds of hours. Engines were started in below-zero temperatures more than 2,600 times. Plus, laboratory tests simulated 10 years of use in arctic conditions.

B20 compatibility added for 2011 model year

The strict testing work also ensured the new engine is B20 compatible, which allows customers another fueling option that uses blends of up to 20 percent biodiesel and 80 percent petroleum diesel. Because biodiesel fuel varies in quality in the U.S. and Canada, durability testing cycles were run on multiple blends of the fuel to ensure the robustness of the system. This is especially important to the agricultural industry, where biodiesel is often the preferred fuel.

"These tests give us the full spectrum of Super Duty customers – from those who run their trucks at maximum power with a maximum load for long

1 of 3 9/4/2019, 10:42 AM

2011 FORD F-SERIES SUPER DUTY LEADS HEAVY-DUTY TRUC... http://ophelia.sdsu.edu:8080/ford/02-28-2010/about-ford/news-announc...

periods to those who use them more in a start-stop mode," said Ed Waszczenko, lead engine durability engineer.

Finally, a battery of in-vehicle, real-world tests validated the work done in the laboratories. The 2011 F-450 Super Duty, for example, can tow a 24,400-pound trailer up a 6 percent grade at 47 mph, which is more than 50 percent faster than the outgoing product. The F-450 and F-550 have no competitors in the marketplace.

"That's the difference between trucks passing you, or you passing trucks," said Chris Brewer, Super Duty chief engineer.

Class-leading capability

Growing Super Duty's heavy-truck leadership legacy, the 2011 F-250 and F-350 pickup trucks have best-in-class conventional towing and payload capability. The F-250 and F-350 single-rear-wheel model can tow up to 14,000 pounds with payloads of 4,050 pounds and 4,600 pounds, respectively.

In addition, the F-350 dual-rear-wheel model delivers best-in-class conventional towing of 16,000 pounds and fifth-wheel towing of 21,600 pounds as well as best-in-class payload of 6,520 pounds. With chassis cab sales accounting for up to 25 percent of the Super Duty mix, the leadership towing capability of the F-550 fifth-wheel hitch is notable: 26,400 pounds.

The improved torque also enables the driver to hold a higher gear longer, which helps with highway fuel economy. "This prevents transmission 'gear hunting,' and lets you stay in gear longer before downshifting, ultimately saving fuel," Brewer said.

Quietest Power Stroke ever

In addition to its capability, the new 6.7-liter Power Stroke V-8 has the lowest NVH (noise, vibration and harshness) in the class with a notably quieter, more refined sound than ever. Improvements to the combustion system, structural integrity of the compacted graphite iron block and the single turbocharger mounted to the engine block account for many of the NVH improvements.

Specific design upgrades were made to both the piston and the piston bowl to optimize the combustion process, which features a two-stage combustion event instead of a single-injection event. Single-injection events can cause harsh, sudden and loud combustion. On the 2011 Super Duty, a starter or pilot injection of fuel begins the combustion process before the main injection.

The result is smoother combustion and a more refined sound for the customer. When at idle, two pilot injection events are used to make the firing process even smoother and aid in quietness.

The "ticking" of the high-speed injectors also is quieted by specially designed covers on the engine. Mounting the turbocharger from the center housing directly to the block provided several advantages as well in terms of NVH.

"When turbochargers vibrate, it can lead to other parts of the vehicle, such as the exhaust system, vibrating," said Adam Gryglak, chief diesel engineering manager. "So when the turbocharger vibrates a lot, the exhaust system vibrates too, and that's disturbing to the customer. Bolting the turbocharger directly to the block eliminates that concern."

Using one turbocharger, instead of two operating in series or sequentially, helped resolve some NVH challenges as well. The single turbocharger eliminates air-handling noises – the whooshes – typically heard when the engine switches from one turbo to the next. Also, the single turbocharger has ball bearings that pilot the shaft in the turbo, eliminating the potential for the shaft of the turbocharger to gyrate in its housing, another potential NVH issue.

Other improvements include the addition of two resonators in the intake system as well as a third resonator near the air cleaner. These additions made it possible to tune the diesel intake system to the desired sound.

New gas engine leads in torque, horsepower and fuel economy

The 2011 Super Duty features a new, more powerful and efficient standard gasoline engine that also delivers class-leading numbers. The new 6.2-liter V-8 gasoline engine produces 405 ft.-lb. of torque (at 4,500 rpm) and 385 horsepower (at 5,500 rpm) on regular gasoline. These numbers represent an increase of 40 ft.-lb. of torque and 85 horsepower versus the current 5.4-liter V-8. The new engine also is E85 compatible.

Already cementing its 'Built Ford Tough' status

Nearly all the components of the 2011 Super Duty 6.2-liter V-8 are shared with the 6.2-liter V-8 engine found in the 2010 F-150 SVT Raptor, a purpose-built, high-performance off-road truck versatile enough to take on the most challenging desert adventures as well as daily commutes.

In November 2008, the 6.2-liter Raptor R not only survived its first grueling Baja 1000, it earned a podium finish.

Testing on the 6.2-liter V-8 included running multiple engines for more than 500 hours at peak torque and peak horsepower as well as customer-correlated 1,000-hour road load tests to ensure dependability for even the toughest Ford F-Series Super Duty customer.

"Having two outstanding powertrains to choose from is a real win-win for Super Duty customers," said Doug Scott, truck group marketing manager. "Both Ford's new diesel and new gasoline engines deliver the 'and solution' – best-in-class horsepower, torque and fuel economy. "Leadership in areas that matter most to customers will help ensure the 2011 Super Duty will continue to be the undisputed leader in full-size pickup towing, payload and capability."

More information

2 of 3 9/4/2019, 10:42 AM

2011 FORD F-SERIES SUPER DUTY LEADS HEAVY-DUTY TRUC... http://ophelia.sdsu.edu:8080/ford/02-28-2010/about-ford/news-announc...

For additional information and images of the 2011 Ford F-Series Super Duty, click here.

###

About Ford Motor Company

Ford Motor Company, a global automotive industry leader based in Dearborn, Mich., manufactures or distributes automobiles across six continents. With about 198,000 employees and about 90 plants worldwide, the company's automotive brands include Ford, Lincoln, Mercury and Volvo. The company provides financial services through Ford Motor Credit Company. For more information regarding Ford's products, please visit www.ford.com.

Dealer Directory | Site Map | Contact Ford | [+] Site Feedback
Privacy | Your California Privacy Rights | Corporate Governance
Copyright 2010 Ford Motor Company. All rights reserved.

3 of 3 9/4/2019, 10:42 AM

2011 Ford F-Series Super Duty Power Stroke Diesel is Cleanest Ever; Fuel Economy Greatly Improved

NEWS PROVIDED BY Ford Motor Company → Mar 09, 2010, 05:00 ET

ST. LOUIS, March 9 /PRNewswire-FirstCall/ --

- The all-new 2011 Ford F-Series Super Duty features all-new diesel and gas powertrains that deliver best-in-class torque and horsepower as well as class-leading fuel economy
- The Ford F-Series Super Duty equipped with the 6.7-liter Power Stroke® V-8 turbocharged diesel engine averages an 18 percent improvement for pickup models and up to 25 percent improvement for chassis cabs versus 2010 models. Trucks equipped with new base 6.2-liter V-8 gas engine average a 15 percent improvement versus 2010 models
- The new diesel engine is B20 biodiesel compatible and the new gas engine is E85 compatible, providing customers a wide range of fueling options
- Best-in-class fuel economy and class-leading capability towing of 26,400 pounds and a 6,520-pound payload – is due largely to the all-new 6R140 heavy-duty TorqShift® six-speed automatic transmission, providing more than half the overall improved fuel economy

The all-new 2011 Ford F-Series Super Duty delivers best-in-class torque, horsepower, towing and payload capability - and does it all more efficiently, resulting in less fuel usage and extended maintenance intervals that can translate directly into bottom-line savings for customers.

"The 2011 Super Daty 3: Hot of Not the host powerful? In the 2011 Super Daty 3: Hot of Not host powerful? In the super before," pickup truck on the road, it performs the tough jobs with even more efficiency than ever before," said Doug Scott, truck group marketing manager. "Customers can be confident that Super Duty's class-leading capability comes with Ford's 'and solution' of best-in-class fuel economy."

All-new diesel and gas engine powertrains are the backbone of the 2011 Super Duty's best-in-class towing (26,400 pounds for F-550 chassis cab with fifth-wheel hitch) and payload capability (6,520 pounds for F-350 dual rear-wheel pickup). The Ford-designed, Ford-engineered and Ford-built 6.7-liter Power Stroke V-8 turbocharged diesel engine produces best-in-class 735 ft.-lb. of torque at 1,600 rpm and best-in-class 390 horsepower at 2,800 rpm. The new engine is compatible up to B20 biodiesel fuel as well.

The new 6.2-liter V-8 gasoline engine also boasts best-in-class numbers of 405 ft.-lb. of torque at 4,500 rpm and 385 horsepower at 5,500 rpm. The new engine is E85 compatible.

Mated to each engine is the all-new 6R140 heavy-duty TorqShift six-speed automatic transmission. The added feature content and overall efficiency of the transmission are the main reasons for the improved fuel economy. The all-new 2011 Ford F-Series Super Duty equipped with the 6.7-liter Power Stroke diesel averages an 18 percent improvement for pickup models and up to 25 percent improvement for chassis cabs versus 2010 models. Trucks equipped with new base 6.2-liter V-8 gas engine average a 15 percent improvement versus 2010 models.

"The new transmission is a 'clean-sheet' design, developed specifically to handle the significantly increased torque produced by the new diesel engine and the higher rotational speeds produced by the new gas engine, and to deliver the power to the wheels seamlessly and efficiently for heavy-duty truck customers," said Al Bruck, transmission engineering manager. "Each system and component was scrutinized to deliver optimum performance."

Here's a closer look at what was achieved and the benefits to the customer:

- New torque converter is core to the improved transmission performance. One key component is the long-travel turbine damper that allows the transmission to lock earlier, at a lower rpm, which translates to less slip and more fuel efficiency. The new transmission locks down to 900 rpm, which is about 200 rpm less than the outgoing product and more than 100 rpm less than competitors. The second key component of the torque converter is the closed-piston design. This design allows for better control of the lock-up clutch, which enables controlled converter clutch slip during lock-to-lock upshifts that are seamless to the customer.
- **Customer fuel economy benefit**: Locked converter operation at lower speeds means less wasted heat energy and better fuel economy.
 - Optimized shift and converter lock-up schedule: After analyzing the entire shift
 schedule, Ford calibration engineers fine-tuned it by measuring and optimizing the fuel
 flow. The system recognizes light or heavy throttle use, and puts the transmission in the
 right gear for best performance and efficiency. The entire operating range has been
 optimized to get the best fuel economy by locking up the converter as soon as possible and
 as much as possible.
- **Customer fuel economy benefit:** Optimizing the shift schedule and lock schedule ensures customers automatically operate in the most efficient gears and save fuel.
 - Gearing and double-overdrive: The 6R140 transmission has a ratio span of about 5.9, which is quite a bit wider than competitors. This wider span means the transmission has a deeper first gear that allows customers to get the load moving quicker, and a tall overdrive ratio for good highway efficiency. While the gearing itself is important, the key to overall efficiency is matching that gearing to the correct axle. With the diesel engine, up to four axle ratios are available on the pickups 3.31, 3.55, 3.73 and 4.30. Matching up the gearing with the right axles means better overall efficiency.
- **Customer fuel economy benefit:** The double-overdrive gear means even if a customer gets a downshift on the highway, the transmission remains in overdrive. Also, the F-450 pickup went from a 4.88 axle to a 4.30 axle at launch for the 2011 model mated to the wide ratio span of the

transmission. The and between the provening of the second of the second

- Optimized pumping pressure: A certain amount of pressure is required to hold the
 clutches together so they don't slip. The trick is to have the right amount of pressure to do
 the job. Too much pressure wastes fuel. The solution is to optimize the size of the pump and
 precisely control the pressure for all operating conditions.
- Customer fuel economy benefit: At highway speeds, for example, the line pressure is reduced, which helps save fuel. The system maintains the right amount of pressure for any given speed range. The less energy needed for internal pump pressure means less fuel used.
 - Optimized drainback to reduce spin losses: A main objective is to get the fluid through the main barrel to lubricate and cool components, and get it back to the sump as quickly as possible. This reduces windage and parasitic loss. The clutch friction plates were designed to allow fluid to flow through them efficiently for cooling and reduced drag. Clutch housings, connecting shells and the main case housing were optimized to quickly drain the fluid out of rotating components and back into the sump.
- **Customer fuel economy benefit:** Fewer parasitic losses due to reduced churning of fluid increases fuel economy.
 - Warmer operating temperature: Tied in with spin losses, the 6R140 cooling system has
 been optimized to allow for the proper amount of cooling when towing heavy loads in
 high ambient temperatures, while running at an overall higher stabilized temperature. This
 higher stabilized temperature lowers the viscosity and helps the fluid flow more easily,
 which reduces parasitic losses and saves fuel. The fluid also warms up faster because it does
 not flow to the cooling circuit until properly warmed up. Faster warm-up also reduces
 overall parasitic losses.
- **Customer fuel economy benefit:** Fewer parasitic losses due to reduced fluid viscosity translates to less internal drag on the system and increases fuel economy.

The 6R140 transmission is about 25 pour as Highter 4th a Filth of the mouth of the new engines are lighter than the outgoing products as well, which altogether means much more efficient power flow on a pound-for-pound basis. The 6R140 also has a 150,000-mile fluid change interval, which is 2-1/2 times greater than the outgoing product. A patent-pending high-efficiency dual-media filter is the main reason for the extended maintenance interval, which is another savings for customers.

Cleanest Power Stroke ever

The new 6.7-liter Power Stroke V-8 turbocharged diesel employs an aftertreatment system to help comply with 2010 federal regulations to reduce NOx levels in diesel emissions by more than 80 percent compared with the previous standard. The Ford aftertreatment system is a three-stage process; a key component is the use of Diesel Exhaust Fluid (DEF).

Injection of DEF to reduce NOx is a proven technology that's been used throughout the automotive industry. Unlike other strategies used to control NOx, the DEF system allows the diesel engine to run at its optimum range in terms of fuel mixture. Some systems require the engine to run richer - which can be harmful to diesel engines - in order to control the NOx.

The aftertreatment system works like this:

<u>Step One</u>: Cleaning and Heating - The first step in cleaning the diesel exhaust occurs when the exhaust stream enters the Diesel Oxidation Catalyst (DOC). The role of the DOC is twofold. First, it converts and oxidizes hydrocarbons into water and carbon dioxide. This conversion happens at about 250 degrees Celsius.

Second, the DOC is used to provide and promote heat, using specific engine management strategies, into the exhaust system. Through appropriate thermal management, this heat increases the conversion efficiency of the downstream subsystems in reducing emissions.

<u>Step Two</u>: Knocking Out the NOx - The next step in the process is what's known as Selective Catalytic Reduction (SCR). In this process, the NOx in the exhaust stream is converted into water and inert nitrogen, which is present in the atmosphere and harmless. Before the exhaust gas

When heated, the DEF splits into ammonia and carbon dioxide. These molecules are atomized and vaporized, then enter a mixer that resembles a corkscrew. This twist mixer evenly distributes the ammonia within the exhaust flow. The ammonia enters the SCR module, which contains a catalyzed substrate, and through chemical reactions combines and converts the NOx and ammonia into the harmless inert nitrogen and water. Dosing occurs between 200 and 500 degrees Celsius.

<u>Step Three</u>: Scrubbing Away the Soot - The final part of the cleansing system for the diesel exhaust gas involves the Diesel Particulate Filter (DPF). The DPF traps any remaining soot, which is then periodically burned away, known as regenerating, when sensors detect the trap is full. The regeneration process sees temperatures in excess of 600 degrees Celsius to burn away soot.

This industry-proven technology ensures that the new 6.7-liter diesel is the cleanest Power Stroke ever, as well as the most fuel-efficient.

"Having this diesel designed in-house at Ford meant we were able to work on optimizations and refinements right from the start," said Tim Ogilvie, vehicle energy supervisor. "We're able to deliver to customers a more refined, more fuel-efficient Super Duty, with class-leading torque and horsepower and the class-leading capability they demand."

About Ford Motor Company

Ford Motor Company (NYSE: F), a global automotive industry leader based in Dearborn, Mich., manufactures or distributes automobiles across six continents. With about 198,000 employees and about 90 plants worldwide, the company's automotive brands include Ford, Lincoln, Mercury and Volvo. The company provides financial services through Ford Motor Credit Company. For more information regarding Ford's products, please visit www.ford.com.

SOURCE Ford Motor Company













PROVEN WORKHORSES WITH A LEGENDARY BLOODLINE.

The 2014 Ford F-Series Super Duty® comes in your choice of 3 models (F-250, F-350 and F-450), each available in XL, XLT, LARIAT, KING RANCH® and PLATINUM trim. With the most equipment configurations of any truck in its class, there's one just right for you and your work. Plus, you can rest assured your new Super Duty is built on a solid foundation, one engineered to last. It's an indisputable fact: There are more F-Series trucks on the road with 250,000+ miles than any other brand.1

Maximum Capabilities²

24,700-lb. 5th-Wheel Towing 18,500-lb. Conv. Towing – BEST IN CLASS 5,880-lb. Payload 14,000-lb. GVWR - UNSURPASSED

Equipment Configurations

6.7L Power Stroke® V8 Turbo Diesel Dual Rear Wheel 4x4 Crew Cab with 8' Box

Maximum Capabilities2

23,200-lb. 5th-Wheel Towing 18,500-lb. Conv. Towing – BEST IN CLASS 7,260-lb. Payload – BEST IN CLASS 14,000-lb. GVWR – UNSURPASSED

Equipment Configurations

6.2L Gas V8 or 6.7L Power Stroke V8 Turbo Diesel

Single Rear Wheel or Dual Rear Wheel: 4x2 or 4x4

Regular Cab, SuperCab or Crew Cab; 6¾' or 8' Box

Maximum Capabilities²

16,800-lb. 5th-Wheel Towing 14,000-lb. Conv. Towing 4,240-lb. Payload 10.000-lb. GVWR

Equipment Configurations

6¾' or 8' Box

6.2L Gas V8 or 6.7L Power Stroke V8 Turbo Diesel Single Rear Wheel 4x2 or 4x4 Regular Cab, SuperCab or Crew Cab;

F-450 King Ranch Crew Cab. Chrome Package. White Platinum Tri-coat/Pale Adobe two-tone. F-350 XLT SuperCab 4x4. Tuxedo Black. F-250 XL Regular Cab 4x2. Ingot Silver. Available or aftermarket equipment shown on each.



14SUPER DUTY









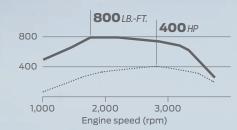
YOUR POWER, YOUR CHOICE.

Diesel or gas. Either way, your Super Duty® comes with a rugged TorqShift® 6-speed SelectShift® automatic transmission designed, engineered and built by the Ford powertrain team. Lowspeed lockup capability (down to 900 rpm) on its torque converter enables the engine to run efficiently at lower rpm. Its high-strength sinter-metal carrier, with patented Ford rocker one-way clutch, easily handles the extreme low-end torque of the diesel engine, as well as the high speeds of the gas engine. Plus, its high-capacity, high-efficiency fluid filter extends your fluidand filter-change intervals up to 150,000 miles. Gear up for the long haul with Super Duty.

6.7L POWER STROKE® V8 TURBO DIESEL

Maximum power – quickly. The diesel's class-exclusive single-sequential turbocharger features a compactly designed, dual-sided compressor wheel that helps efficiently generate the best horsepower and standard diesel torque in the class.

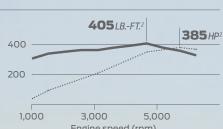
Upfits powered any time. Whether the truck is in motion or at a complete stop, our class-exclusive live-drive power take-off (PTO) provision¹ lets you power upfits any time the diesel engine is running. It keeps the job going with an output gear linked directly to the engine crankshaft.



6.2L 2-VALVE V8 GAS

Serious low-rpm torque. The gas engine's stiff SOHC valvetrain with roller-rocker shafts enables an intake- and exhaust-port layout that optimizes airflow for lots of torque when you need it most.

Balanced performance. Dual-equal variable cam timing phases the intake- and exhaust-valve opening and closing events simultaneously to optimize fuel economy, low-end torque and peak horsepower. Plus, using 2 spark plugs per cylinder helps the fuel-air mixture burn efficiently, contributing to fuel economy



6.7L V8 Turbo Diesel Engine

Configuration Fuel injection Induction system

Battery Alternator

Oil-life monitor Cylinder heads Block material Valve operation Camshaft drive Bore/stroke Compression ratio Horsepower/rpm Torque lb.-ft./rpm Recommended fuel

Transmission Gearratios

OHV (32-valve)

High-pressure common-rail Single-sequential turbocharger:

Dual 12-volt; 750-CCA/78-amp-hr 157-amp (single 200-amp

or dual combined 357-amp, optional) Intelligent Oil-Life Monitor®

Aluminum

Compacted graphite iron Push rod/rocker arms

Gear 3.90"/4.25" 16.2:1 400 @ 2,800

800 @ 1.600

Ultra-low-sulfur diesel or B20 (containing 20% or less biodiesel)

6-speed SelectShift automatic

1st - 3.97:1. 2nd - 2.31:1. 3rd - 1.51:1. 4th - 1.14:1. 5th - 0.85:1, 6th - 0.67:1, Reverse - 3.12:1 Live-drive access on driver's side

6.2L 2-Valve V8 Gas3

SOHO

Sequential electronic Specially tuned

12-volt; 650-CCA/72-amp-hr 157-amp (single 200-amp, optional)

Oil-minder system

Aluminum Cast iron

Roller-rocker shaft

Silent chain 4.02"/3.74"

9.8:1

385 @ 5,500/316 @ 4,179² 405 @ 4,500/397 @ 4,1792

Regular unleaded or E85

Bi-fuel capable LPG or CNG (requires upfit)

6-speed SelectShift automatic

1st - 3.97:1, 2nd - 2.31:1, 3rd - 1.51:1, 4th - 1.14:1, 5th - 0.85:1, 6th - 0.67:1, Reverse - 3.12:1







F-250 XL Regular Cab 4x2. XL Appearance Package. Oxford White. Available equipment.





Super Duty® easily tows up to 24,700 lbs.¹ with its 5th-wheel capability. And it offers best-in-class maximum conventional towing capability! Plus, it's the only truck in the class with trailer sway control standard on both SRW and DRW models. The system, which monitors the motions of your truck to detect trailer sway, can help you maintain control of both the truck and the trailer by selectively braking as needed.² When you're negotiating an incline in Drive or in Reverse, standard hill start assist helps you out by momentarily maintaining brake pressure until the engine delivers enough torque to move the truck uphill. On diesel models, integrated engine-exhaust braking helps improve grade descent control with less wear and tear on the brakes and transmission. Like all of the best leaders, Super Duty handles tough jobs with the utmost confidence.



F-350 PLATINUM Crew Cab DRW 4x4. Ruby Red. Available equipment.













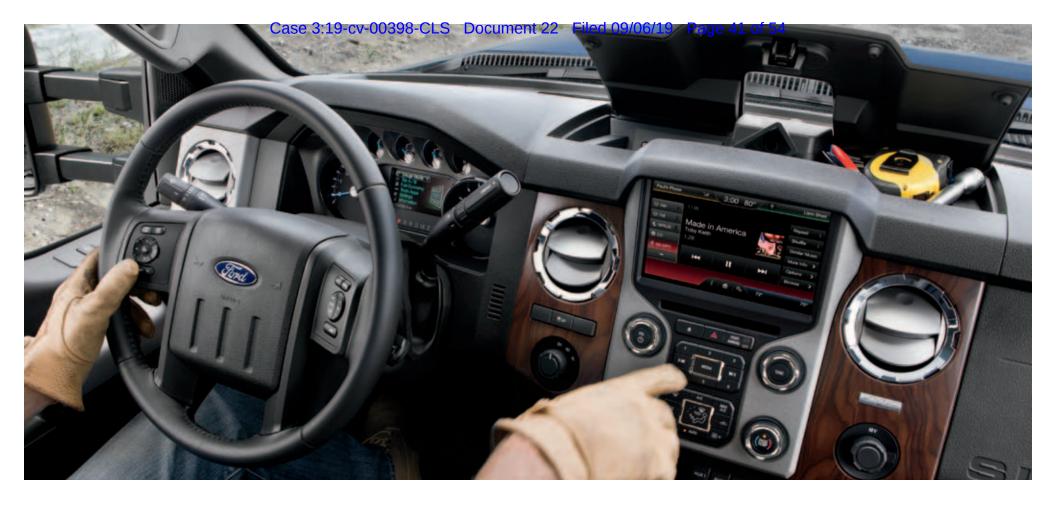




HITS THE GROUND TOWING.

Thanks to our 5th-Wheel/Gooseneck Trailer Tow Prep Package and Ford Custom Accessories 5th-Wheel and Gooseneck Hitch Kits¹ by Reese® – all factory installed. With Super Duty,® you also get the strength of an under-the-bed-frame crossmember² and the utility of a flat cargo bed floor. PowerScope® trailer tow mirrors² and an in-bed 7-pin connector² are class exclusives. The LCD productivity screen² offers a pre-towing checklist and recalls settings for different trailers. There's even a factory-installed, integrated trailer brake controller² to balance the performance of the truck's brakes and electric trailer brakes.³ Plus, the rear view camera² displays its full-color image in your rearview mirror or on the 8" MyFord Touch®² screen. Ready, set, tow.





PERSONALIZES YOUR CONTROL.

Voice-activated Ford SYNC®1 with 911 Assist® delivers hands-free calls, Bluetooth®-streaming music and more with simple voice commands. Once paired, it can download your contacts and play music from your smartphone, MP3, USB or iPod.® Just touch a button on the steering wheel and say things like "Call: Shipping" or "Play playlist: Country." SYNC with MyFord Touch®1 adds an 8" color LCD touch screen and closable dash-top storage with a media hub and more inside. You can use voice commands, touch the 8" screen, or use the knobs and buttons below it to operate MyFord Touch. SiriusXM Satellite Radio² includes a 6-month trial subscription that brings you over 130 channels including commercial-free music, plus sports, news, talk, comedy and entertainment. Pair it with the voice-activated Navigation System,² which includes SiriusXM Traffic and Travel Link as part of the trial, and you'll have the ability to look up fuel prices, check local and national weather, and get detailed information on traffic speed, accidents, construction and road closings. It's all just a touch away.



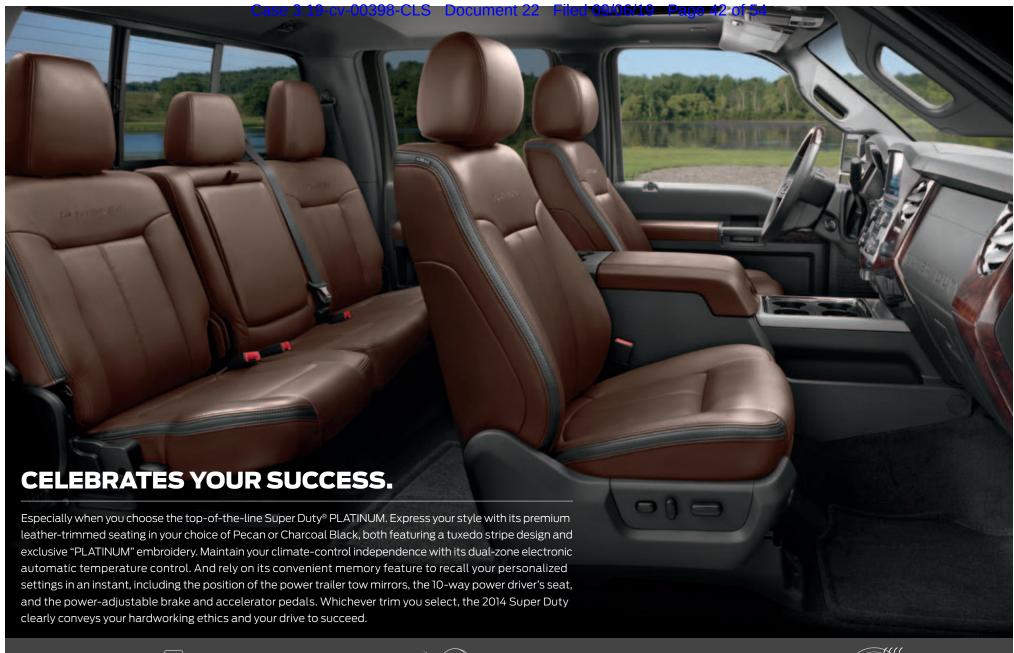






LARIAT 4x4. Charcoal Black interior. Available equipment.





























SUPPORTS YOUR PRODUCTIVITY.

Dual USB ports recharge your devices while they're connected to the SYNC® with MyFord Touch®¹ media hub. The industrial-grade Tough Bed® factory-installed, spray-in bedliner¹ helps shield your investment. Lockable under-seat storage in the center of the 40/20/40 split front seat¹ offers a discreet place to stow small items. The flow-through center console¹ includes a 110-volt power outlet and two 12-volt powerpoints. The stowable bed extender,¹ made of rugged fiberglass-reinforced polypropylene, lets you haul more with the tailgate down or secure smaller loads with it up. And the 60/40 split flip-up/fold-down rear bench seat includes lockable under-seat partitioned storage¹ on certain Crew Cab models. From electronics to cargo and beyond – Super Duty® streamlines your workday.



CONQUERS THE TOUGHEST TERRAIN.

Thanks in part to its durable coil-spring front suspension, part of the heavy-duty independent Twin-I-Beam setup on 4x2s and rugged twin-coil monobeam setup on 4x4s. XL and XLT 4x4s feature a solid front axle and manual locking hubs for excellent articulation and reliability. LARIAT, KING RANCH® and PLATINUM 4x4s include electronic shift-on-the-fly operation, allowing you to change drive settings with the turn of a dial on the instrument panel. Our electronic-locking rear differential¹ uses a true mechanical dog-clutch mechanism to lock the rear axle shafts together so they turn at the same speed, which helps maximize your gripping power. Go further in a Super Duty® 4x4.

Off-road confidence. Hill Descent Control™ helps maintain the truck's speed on steep declines, so you can concentrate on maneuvering. This class-exclusive feature is included in the FX4 Off-Road Package, along with transfer case and fuel tank skid plates, Rancho® shocks and box-side decals.

Real-time feedback. Our class-exclusive off-road display monitors the truck's pitch angle, bank angle and wheel direction to help you negotiate challenging situations in 4x4 LOW. It's included with the LCD productivity screen on SRW 4x4 models.

Front Suspension

Twin-I-Beam (F-250/F-350 4x2); solid Twin-Coil Monobeam axle (F-250/F-350 4x4, F-450 4x4) Axle (rating @ ground) – 5,250 lbs. (F-250/F-350 4x2); 6,000 lbs. (F-250/F-350/F-450 4x4)

Springs – Coil

Shock absorbers – 1.38" gas type Stabilizer bar – Standard

Rear Suspension

Solid axle

Axle (rating @ ground) – 6,200 lbs. (F-250); 7,280 lbs. (F-350 SRW); 9,650 lbs. (F-350 DRW/F-450)

Springs – Leaf

Shock absorbers – 1.38" gas type Stabilizer bar – Standard on DRW

Steering

Assist – Power

Overall ratio – 20.49:1 (F-250/F-350 4x2); 20.41:1 (F-250/F-350 4x4); 20.41:1 average (F-450)

Rrakes

Power 4-wheel vented-disc with ABS (standard) Front and rear (rotor diameter) – 14.29"

Wheels

Steel or aluminum

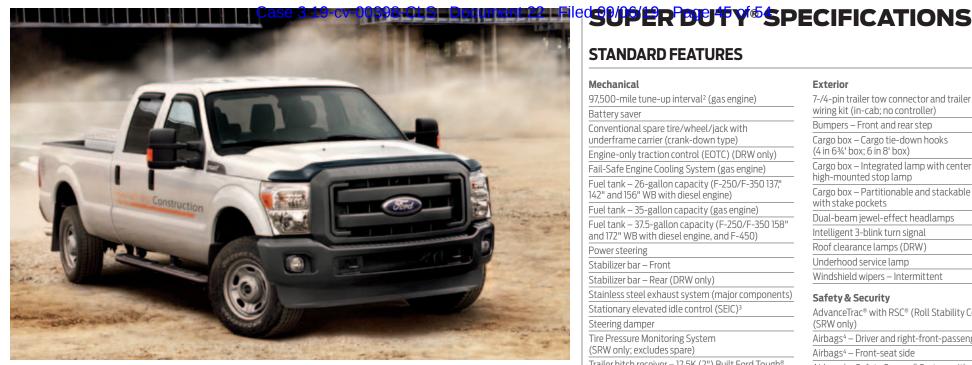
Size – 17," 18" or 20" (F-250/F-350); 17" (F-450) Number of studs – 8

Bolt-circle diameter – 6.69" (170-mm) SRW; 7.87" (200-mm) F-350 DRW/F-450















F-250 XL Crew Cab in Oxford White customized with 5" black step bars, fog lamps, smoked hood and side window deflectors, heavy-duty splash guards, commercial-grade tool/cargo box by Delta.®1 and Ford Commercial Graphics by 3M Original Wraps1

5th-wheel hitch kits (18K. 25K)

All-weather floor mats

Remote start systems

Wheel-well liners

Exterior

Exhaust tip

Hitch-mounted bike carriers1

Hood protector¹

Splash guards

Sportz® tents1

Stainless steel wheel covers

Step bars

Trailer towing accessories Wheel lock kit

Interior

Ash cup/coin holders

Cargo organizers and protectors

Carpeted floor mats Leather-trimmed interior seating1

Protective seat covers1

Bed Products

Bed extenders, mats

and liners Cable lock1

Retractable stake pocket tie-downs1

Tonneau covers1

Electronics

Crew Chief™ powered by Telogis®1

Keyless entry keypad

Portable DVD rear-seat entertainment systems1

Remote Access

Speed control

Vehicle security systems Warning sensor systems1 STANDARD FEATURES

Mechanical

97,500-mile tune-up interval² (gas engine)

Battery saver

Conventional spare tire/wheel/iack with underframe carrier (crank-down type)

Engine-only traction control (EOTC) (DRW only)

Fail-Safe Engine Cooling System (gas engine)

Fuel tank - 26-gallon capacity (F-250/F-350 137," 142" and 156" WB with diesel engine)

Fuel tank – 35-gallon capacity (gas engine)

Fuel tank - 37.5-gallon capacity (F-250/F-350 158" and 172" WB with diesel engine, and F-450)

Power steering

Stabilizer bar - Front

Stabilizer bar - Rear (DRW only)

Stainless steel exhaust system (major components)

Stationary elevated idle control (SEIC)3

Steering damper

Tire Pressure Monitoring System (SRW only; excludes spare)

Trailer hitch receiver – 12.5K (2") Built Ford Tough® (SRW with gas engine; SRW with diesel engine and 137" and 142" WB)

Trailer hitch receiver – 14K (2.5") Built Ford Tough (SRW with diesel engine and 156," 158" and 172" WB)

Trailer hitch receiver – 15K (2.5") Built Ford Tough (DRW with 156" and 158" WB; DRW with gas engine and 172" WB)

Trailer hitch receiver – 18.5K (2.5") Built Ford Tough (F-350 DRW with diesel engine and 172" WB; F-450)

Trailer hitch receiver – 2" sleeve reducer (vehicles with 2.5" receiver)

Interior

Assist and ride handles

Coat hooks - 1 (Regular Cab); 2 in rear of cab (SuperCab and Crew Cab)

Dome light (front and rear with Crew Cab)

Overhead console with garage door opener storage and sunglasses storage (SuperCab and Crew Cab)

Powerpoints – 12-volt, 2 on instrument panel

Windows - Flip-open rear quarter (SuperCab)

Exterior

7-/4-pin trailer tow connector and trailer brake wiring kit (in-cab; no controller)

Bumpers – Front and rear step

Cargo box – Cargo tie-down hooks (4 in 6¾' box; 6 in 8' box)

Cargo box – Integrated lamp with center high-mounted stop lamp

Cargo box – Partitionable and stackable with stake pockets

Dual-beam jewel-effect headlamps

Intelligent 3-blink turn signal

Roof clearance lamps (DRW)

Underhood service lamp

Windshield wipers – Intermittent

Safety & Security

AdvanceTrac® with RSC® (Roll Stability Control™) (SRW only)

Airbags⁴ – Driver and right-front-passenger front

Airbags⁴ – Front-seat side

Airbags⁴ – Safety Canopy[®] System with roll-fold side-curtain airbags

Belt-Minder® front safety belt reminder

Brake/shift interlock

Brakes - Power 4-wheel vented-disc with Anti-Lock Brake System (ABS)

Child-safety-seat top tether anchors (Regular Cab front passenger and all rear-seat positions)

Fuel pump inertia shutoff switch

Headlamps-on, key-in-ignition and door ajar alert chimes

Passenger airbag deactivation switch (Regular Cab, SuperCab)

Safety belts - Energy-management retractors at front-outboard positions

Safety belts – Height-adjustable at front-outboard positions

SecuriLock® Passive Anti-Theft System

Side-intrusion door beams

SOS Post-Crash Alert System™

Spare tire/wheel lock









F-250 XL Regular Cab 4x2. Sterling Gray. XL Appearance Package. Available equipment.



XL Regular Cab. Steel HD vinyl trim. XL Appearance Package. Available equipment.

Includes all standard features, plus:

Mechanical

6.2L SOHC 2-valve Gas V8 Flex Fuel E85-capable engine (n/a on F-450)

6.7L Power Stroke® V8 Turbo Diesel B20-capable engine (standard on F-450)

TorgShift® heavy-duty 6-speed SelectShift® automatic transmission

Alternator – 157-amp heavy-duty

Hill start assist

Integrated trailer brake controller (DRW)

Manual 4-Wheel-Drive System with manual locking hubs (4x4 models only)

Trailer sway control

17" argent-painted steel wheels (F-250/F-350) 17" polished forged-aluminum wheels (F-450)

LT245/75R17 all-season BSW tires

Seating

40/20/40 split front seat with armrest, cupholders and storage

60/40 split flip-up rear seat (SuperCab only) 60/40 split flip-up/fold-down rear bench seat with outboard and center head restraints (Crew Cab only)

HD vinyl seats

Lumbar support for driver's seat

Interior

AM/FM stereo with digital clock and 2 speakers Air conditioning

Climate controls - Manual

Door locks - Manual

Flooring - Black vinyl

Message center – Multifunction plus trip computer Available Options includes odometer, trip odometer, engine oil monitor, engine-hour meter, engine-idle meter (gas engine only), distance to empty, average fuel economy, warning messages, system check, language selection and Ice Blue® Lighting

Mirror - Manual day/night rearview

MyKey®

Steering column – Manual tilt/telescoping

Steering wheel – Black urethane with 3-button message center controls

Visors with passenger mirror

Window – Rear, fixed-glass

Windows - Manual

Exterior

Bumpers – Black-painted with grained top cover Cab steps – 6" angular black molded (DRW only) Cargo box – Black box top and tailgate moldings Door handles - Black

Glass – Solar-tinted

Grille - Black

Mirrors – Manually telescoping trailer tow with 2-way fold and manual glass

Quick-release tailgate with tailgate assist and lock Tow hooks - Black, 2 in front

Mechanical

6.7L Power Stroke V8 Turbo Diesel B20-capable engine (standard on F-450)

Electronic shift-on-the-fly (ESOF) 4-Wheel-Drive System with auto/manual locking hubs (Áx4 models only)

5th-wheel hitch kit (requires 8' box; includes 18K hitch on SRW or 25K hitch on DRW)¹

Gooseneck hitch kit1

Alternator – Single, 200-amp extra-heavy-duty Alternators – Dual, 357-amp total (diesel engine only)

Engine block heater

(standard in 15 cold-weather states)

Integrated trailer brake controller (standard on F-350 DRW/F-450)

Operator-commanded exhaust filter regeneration (diesel engine only)

Power take-off (PTO) provision allows transmission-mounted live-drive and stationary modes (diesel engine only)

Rear axle – Electronic-locking (F-250/F-350 SRW only)

Rear axle - Limited-slip

(F-350 DRW only; standard on F-450)

17" 6-spoke cast-aluminum wheels – 4 (F-250/F-350 SRW)

17" polished forged-aluminum wheels – 4 (F-350 DRW)

LT245/75R17 all-terrain BSW tires – 5

18" argent-painted steel wheels – 4 (F-350 SRW) Stainless steel wheel covers (requires 17" argent-painted steel DRW wheels)²

LT265/70R17 all-terrain OWL tires - 4 (F-250/F-350 SRW)

LT275/65R18 all-season BSW tires - 5 (F-350 SRW) LT275/70R18 all-terrain BSW tires - 4 (F-350 SRW 4x4)

Seating

40/20/40 split cloth front seat with armrest, cupholders and storage

40/mini-console/40 front bucket seats (HD vinyl or cloth)

Interior

Ford SYNC® voice-activated, in-vehicle connectivity system with SYNC AppLink[™] (requires XL Value Package or XL Appearance Package, and steering wheel-mounted audio controls)

Rapid-heat supplemental cab heater (requires diesel engine and alternator upgrade)

Remote Start System (requires Power Equipment Group)

Steering wheel-mounted audio controls (requires SYNC)

Upfitter switches located on instrument panel (4)

Bed mat (restrictions apply)

Bedliner – Plastic drop-in

Bedliner – Tough Bed® spray-in includes tailgate guard and black bed bolts

Cab steps - 6" angular black molded (standard on DRW)

Cable Lock by Master Lock®2

Crew Chief™ powered by Telogis®2 – Fleet tracking system (includes 1 year of Crew Chief service)

Exterior backup alarm²

Pickup box delete (F-250/F-350 only; requires 8' box; n/a with 20" wheels or FX4 Off-Road Package) Roof clearance lamps (standard on DRW)

Skid plates – Transfer case and fuel tank (4x4 only)

Soft roll-up tonneau cover²

Splash guards

(front and rear on SRW; rear only on DRW)

Tailgate step includes step, tailgate assist and grab bar

Wheel-well liners (SRW only)

Available Packages

XL Appearance Package³ (n/a with XL Value Package) includes AM/FM stereo/single-CD player with MP3 capability, digital clock, 4 speakers. cruise control, 17" argent-painted steel wheels with bright center caps (SRW only), chrome grille surround, and chrome bumpers

XL Value Package (n/a with XL Appearance Package) includes AM/FM stereo/single-CD player with MP3 capability, digital clock, 4 speakers, cruise control, 17" argent-painted steel wheels with bright center caps (SRW only), and chrome bumpers

5th-Wheel/Gooseneck Trailer Tow Prep Package includes 1 under-bed-frame crossmember, 5 pickup bed 5th-wheel/gooseneck attachment points and close-out plugs, and an integrated 7-pin connector on the driver's side pickup bed wall

9,900-lb. GVWR Package (F-250)

10,000-lb. GVWR Package (F-350 SRW)

11.400-lb. GVWR Package (F-350 SRW 4x4 and F-350 SRW SuperCab/Crew Cab 4x2 with 8' box; requires 18" wheels and diesel engine)

Camper Package includes front springs upgrade (unless maximum springs have been computerselected as included equipment), rear stabilizer bar (SRW), slide-in-camper certification and auxiliary rear springs on F-250 (restrictions apply)

CNG/LPG Gaseous Engine Prep Package includes hardened engine intake valves and valve seats and bi-fuel manifold (F-250/F-350 with gas engine only)

FX4 Off-Road Package includes transfer case and fuel tank skid plates, Hill Descent Control™ (SRW only), Rancho® shocks and FX4 Off-Road box decals (restrictions apply)

Heavy-Service Front Suspension Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment; restrictions apply)

Power Equipment Group includes power door locks and front windows (plus rear on Crew Cab) with front one-touch-down feature; manually telescoping trailer tow mirrors with 2-way fold, power/heated glass, heated manual spotter mirrors, and integrated clearance lamps and turn signal indicators; accessory delay; Remote Keyless Entry System with 2 integrated keyhead transmitter remotes; and anti-theft perimeter alarm

Snow Plow Prep Package includes computerselected springs for snow plow application and extra-heavy-duty alternator with diesel engine only (4x4 only: restrictions apply)



Argent-Painted Steel 17" Standard: F-250/F-350 SRW 18" Optional: F-350 SRW



17" Argent-Painted Steel w/Bright Center Cap Included: F-250/F-350 SRW w/Value Package or Appearance Package



17" Argent-Painted Steel Standard: F-350 DRW



17" Argent-Painted Steel w/Stainless Steel Cover Optional: F-350 DRW



17" Polished Forged-Aluminum Standard: F-450 DRW Optional: F-350 DRW



17" 6-Spoke Cast-Aluminum Optional: F-250/F-350 SRW

¹Requires 5th-Wheel/Gooseneck Trailer Tow Prep Package. See your dealer for details. ²Ford Licensed Accessory. See your dealer for limited warranty details. 3Late availability.



F-350 XLT Crew Cab 4x4. Ingot Silver. XLT Premium Package. Available equipment.



XLT Crew Cab. Steel cloth trim. Flow-through center console. Available equipment.

Includes all XL features, plus:

Mechanical

Integrated trailer brake controller (SRW)
17" 6-spoke cast-aluminum wheels (SRW)

Seating

4-way adjustable driver and right-front-passenger head restraints

40/20/40 split front seat with center under-seat lockable storage with 12-volt powerpoint and center armrest with cupholders and storage

60/40 split flip-up/fold-down rear bench seat with bag hooks, dual integrated cupholders and tray, outboard head restraints, center head restraint, and lockable under-seat partitioned storage with 12-volt powerpoint (Crew Cab only) Cloth seats

Interior

AM/FM stereo/single-CD player with MP3 capability, digital clock, 4 speakers and auxiliary audio input jack

Ford SYNC® voice-activated, in-vehicle connectivity system with SYNC AppLink™

Accessory delay for power features

Cruise control

Door locks - Power

Flooring - Color-coordinated carpet

Flooring – Color-coordinated carpeted floor mats Steering wheel – Black urethane with secondary audio, cruise and 3-button message center controls

Visors with covered driver and passenger mirrors

Windows – Power with front one-touch-down feature

Exterior

Anti-theft perimeter alarm

Bumpers – Chrome with grained top cover

Glass – Privacy (rear doors and rear window)

Grille - Chrome

Mirrors – Manually telescoping trailer tow with 2-way fold, power/heated glass, heated manual spotter mirrors, and integrated clearance lamps and turn signal indicators

Remote Keyless Entry System with 2 integrated keyhead transmitter remotes

Available Options

Mechanical

6.7L Power Stroke® V8 Turbo Diesel B20-capable engine (standard on F-450)

Electronic shift-on-the-fly (ESOF) 4-Wheel-Drive System with auto/manual locking hubs (4x4 models only)

5th-wheel hitch kit (requires 8' box; includes 18K hitch on SRW or 25K hitch on DRW)¹

Gooseneck hitch kit1

Alternator – Single, 200-amp extra-heavy-duty Alternators – Dual, 357-amp total (diesel engine only)

Engine block heater

(standard in 15 cold-weather states)

Operator-commanded exhaust filter regeneration (diesel engine only)

Power take-off (PTO) provision allows transmission-mounted live-drive and stationary modes (diesel engine only)

Rear axle – Electronic-locking (F-250/F-350 SRW only)

Rear axle – Limited-slip

(F-350 DRW; standard on F-450)

17" polished forged-aluminum wheels – 4 (F-350 DRW)

18" cast-aluminum wheels – 4 (F-250/F-350 SRW) Stainless steel wheel covers

(requires 17" argent-painted steel DRW wheels)²

LT245/75R17 all-terrain BSW tires – 5 (F-350 DRW/F-450)

LT245/75R17 all-terrain OWL tires – 4 (F-350 DRW/F-450)

LT265/70R17 all-terrain OWL tires – 4 (F-250/F-350 SRW)

LT275/65R18 all-season BSW tires – 5 (F-250/F-350 SRW)

LT275/70R18 all-terrain BSW tires – 4 (F-250/F-350 SRW 4x4)

LT275/70R18 all-terrain OWL tires – 4 (F-250/F-350 SRW 4x4)

Seating

40/console/40 front bucket seats with 6-way power driver's seat and flow-through center console with lockable storage, two 12-volt powerpoints and a 110-volt power outlet (SuperCab and Crew Cab only)

Interior

Sirius XM Satellite Radio with 6-month trial subscription

Flooring – Black all-weather floor mats (deletes carpeted floor mats)

Rapid-heat supplemental cab heater (requires diesel engine and alternator upgrade)

Rear view camera (requires XLT Interior Package, XLT Value Package or XLT Premium Package)

Remote Start System

Upfitter switches located on instrument panel (4)
Window – Rear, manual-sliding with privacy glass
(Regular Cab only)

Window – Rear, power-sliding with privacy glass and defroster (SuperCab and Crew Cab only)

Exterior

Bed mat (restrictions apply)

Bedliner - Plastic drop-in

Bedliner – Tough Bed® spray-in includes tailgate guard and black bed bolts

Body-color bodyside moldings (SRW SuperCab and Crew Cab only)

Cab steps – 6" angular black molded (standard on DRW)

Cab steps – 5" chrome tubular (SuperCab and Crew Cab only)

Cable Lock by Master Lock®2

Crew Chief™ powered by Telogis®2 – Fleet tracking system (includes 1 year of Crew Chief service)

Exterior backup alarm²

Mirrors – PowerScope® power-telescoping/-folding trailer tow with power/heated glass, heated manual spotter mirrors, and integrated clearance lamps and turn signal indicators

Pickup box delete (F-250/F-350 only; requires 8' box; n/a with 20" wheels or FX4 Off-Road Package) Reverse Sensing System (n/a with pickup box delete)

Roof clearance lamps (standard on DRW)
Skid plates – Transfer case and fuel tank (4x4 only)

Soft roll-up tonneau cover²

Splash guards

(front and rear on SRW; rear only on DRW)
Stowable bed extender (F-250/F-350 SRW only)

Tailgate step includes step, tailgate assist and grab bar

Wheel-well liners (SRW only)

Available Packages

XLT Interior Package includes 6-way power driver's seat, power-adjustable pedals, autolamp/rainlamp, autolock/unlock and SecuriCode™ keyless entry keypad

XLT Value Package includes XLT Interior Package, LCD productivity screen, auto-dimming rearview mirror, Reverse Sensing System and fog lamps

XLT Premium Package includes XLT Interior Package, chrome exhaust tip, chrome tow hooks, unique chrome mirror caps, chrome cargo tie-down hooks, 6" chrome angular cab steps, 18" chrome-clad aluminum wheels with LT275/65R18 all-season BSW tires (on SRW only), LCD productivity screen, auto-dimming rearview mirror, compass, fog lamps and steering wheel-mounted audio controls (requires PowerScope mirrors; SuperCab and Crew Cab only)

5th-Wheel/Gooseneck Trailer Tow Prep Package includes 1 under-bed-frame crossmember, 5 pickup bed 5th-wheel/gooseneck attachment points and close-out plugs, and an integrated 7-pin connector on the driver's side pickup bed wall (n/a with stowable bed extender)

9,900-lb. GVWR Package (F-250)

10,000-lb. GVWR Package (F-350 SRW)

11,400-lb. GVWR Package (F-350 SRW 4x4 and F-350 SRW SuperCab/Crew Cab 4x2 with 8' box; requires 18" wheels and diesel engine)

Camper Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment), rear stabilizer bar (SRW), slide-in-camper certification and auxiliary rear springs on F-250 (restrictions apply)

CNG/LPG Gaseous Engine Prep Package includes hardened engine intake valves and valve seats and bi-fuel manifold (F-250/F-350 with gas engine only)

FX4 Off-Road Package includes transfer case and fuel tank skid plates, Hill Descent Control™ (SRW only), Rancho® shocks and FX4 Off-Road box decals (restrictions apply)

Heavy-Service Front Suspension Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment; restrictions apply)

Snow Plow Prep Package includes computerselected springs for snow plow application and extra-heavy-duty alternator with diesel engine only (4x4 only: restrictions apply)



17" Argent-Painted Steel Standard: **F-350 DRW**



17" Argent-Painted Steel w/Stainless Steel Cover Optional: **F-350 DRW**



17" Polished Forged-Aluminum Provide Standard: F-450 DRW Optional: F-350 DRW



17" 6-Spoke Cast-Aluminum Standard: **F-250/F-350 SRW**



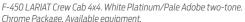
18" Chrome-Clad Aluminum Included: **F-250/F-350 SRW w/Premium Package**



18" Cast-Aluminum Optional: **F-250/F-350 SRW**

¹Requires 5th-Wheel/Gooseneck Trailer Tow Prep Package. See your dealer for details. ²Ford Licensed Accessory. See your dealer for limited warranty details.







LARIAT Crew Cab. Charcoal Black leather trim. Available equipment.

Includes all XLT features, plus:

Mechanical

Alternator – 200-amp extra-heavy-duty

Electronic shift-on-the-fly (ESOF) 4-Wheel-Drive System with auto/manual locking hubs (4x4 models only)

17" polished forged-aluminum wheels (F-350 DRW/F-450)

18" bright-machined cast-aluminum wheels (SRW) LT275/65R18 all-season BSW tires - 5 (SRW)

Seating

40/console/40 front bucket seats and flowthrough center console with lockable storage, two 12-volt powerpoints and a 110-volt power outlet

10-way power driver and front-passenger seats Leather-trimmed seats

Premium Sound System includes AM/FM stereo/ single-CD player with MP3 capability, digital clock and 8 speakers with subwoofer (SuperCab only)

Premium Audio System from Sony® includes AM/ FM stereo/single-CD player with MP3 capability. digital clock, and 8 speakers with subwoofer (Crew Cab only)

SYNC® with MvFord Touch® includes an 8" color LCD touch screen in center stack: dash-top closable storage with media hub (2 USB ports, SD card reader, audio/video input jacks, and 12-volt powerpoint): and SYNC Services1

Sirius XM Satellite Radio with 6-month trial subscription

¹SYNC Services varies by trim level and model year and may require a subscription. Traffic alerts and turn-byturn directions available in select markets. Message and data rates may apply. Ford Motor Company reserves the right to change or discontinue this product service at any time without prior notification or incurring any future obligation. 2Requires 5th-Wheel/ Gooseneck Trailer Tow Prep Package. See your dealer for details. 3Ford Licensed Accessory. See your dealer for limited warranty details.

Dual-zone electronic automatic temperature control

Message center – Driver-configurable enhanced information center with LCD productivity screen includes gauge setup, compass, trip computer, fuel economy and towing/off-road applications, SelectShift® controls, Ice Blue® Lighting, halo lighting and daytime illumination

Mirror – Auto-dimming rearview

Power-adjustable pedals

Power outlet – 110-volt on instrument panel

Rear view camera

Steering wheel - Color-coordinated leatherwrapped with secondary audio, cruise and 5-button message center controls

Visors with illuminated driver and passenger mirrors Window – Rear, power-sliding with privacy glass and defroster

Woodgrain-style instrument panel accents

Exterior

Autolamp automatic on/off headlamps with rainlamp feature

Cab steps – 5" chrome tubular (DRW)

Door handles - Body-color

Fog lamps

Mirrors – PowerScope® power-telescoping/folding trailer tow with power/heated glass, heated manual spotter mirrors, and integrated clearance lamps and turn signal indicators

Reverse Sensing System

SecuriCode™ keyless entry keypad

Available Options

engine (standard on F-450)

5th-wheel hitch kit (requires 8' box; includes 18K hitch on SRW or 25K hitch on DRW)²

Gooseneck hitch kit²

Engine block heater

transmission-mounted live-drive and stationary modes (diesel engine only)

(F-250/F-350 SRW only)

(F-350 DRW; standard on F-450)

20" premium cast-aluminum wheels – 4 (F-250/F-350 SRW 4x4 only)

20" chrome-clad aluminum wheels - 4 (requires Chrome Package; F-250/F-350 SRW 4x4 diesel engine only)

LT245/75R17 all-terrain BSW tires – 5

(F-350 DRW/F-450)

(F-250/F-350 SRW 4x4)

Mechanical

6.7L Power Stroke® V8 Turbo Diesel B20-capable

Alternators - Dual, 357-amp total (diesel engine only)

(standard in 15 cold-weather states)

Power take-off (PTO) provision allows

Rear axle – Electronic-locking

Rear axle - Limited-slip

(F-350 DRW/F-450)

LT245/75R17 all-terrain OWL tires – 4

LT275/70R18 all-terrain BSW tires - 4

LT275/70R18 all-terrain OWL tires – 4 (F-250/F-350 SRW 4x4)

LT275/65R20 all-terrain OWL tires - 4 (F-250/F-350 SRW 4x4)

Seating

40/20/40 split leather-trimmed front seats, center under-seat lockable storage with 12-volt powerpoint, and center armrest with cupholders and storage

Heated rear outboard seats (requires LARIAT Interior Package or LARIAT Ultimate Package; Crew Cab only)

Interior

Navigation System with Premium Sound System includes HD Radio™ Technology, AM/FM stereo/ single-CD player with MP3 capability, USB port, in-dash touch screen, voice-activated controls, Sirius XM Traffic and Travel Link capability, digital clock and 8 speakers with subwoofer

Flooring – Black all-weather floor mats (deletes carpeted floor mats)

Rapid-heat supplemental cab heater (requires diesel engine)

Remote Start System

Universal garage door opener

Upfitter switches located on instrument panel (4)

Exterior

Bed mat (restrictions apply)

Bedliner – Plastic drop-in

Bedliner – Tough Bed® spray-in includes tailgate guard and black bed bolts

Body-color bodyside moldings (SRW only)

Cab steps - 5" chrome tubular (standard on DRW) Cable Lock by Master Lock®3

Crew Chief™ powered by Telogis®3 – Fleet tracking system (includes I year of Crew Chief service)

Exterior backup alarm³

Power-sliding moonroof (Crew Cab only)

Roof clearance lamps (standard on DRW)

Skid plates – Transfer case and fuel tank (4x4 only)

Soft roll-up tonneau cover3

Splash guards

(front and rear on SRW; rear only on DRW)

Stowable bed extender (F-250/F-350 SRW only) Tailgate step includes step, tailgate assist and grab bar

Two-tone lower-accent paint (includes accentcolor wheel-lip moldings on SRW)

Wheel-well liners (SRW only)

Available Packages

LARIAT Interior Package includes easy entry/ exit memory, power, heated/cooled driver's seat; power, heated/cooled front-passenger seat; memory, power trailer tow mirrors; memory, power-adjustable pedals; and Remote Start System

LARIAT Ultimate Package includes easy entry/ exit memory, power, heated/cooled driver's seat; power, heated/cooled front-passenger seat; memory, power trailer tow mirrors; memory, power-adjustable pedals; power moonroof; Navigation System; tailgate step; and Remote Start System (Crew Cab only; restrictions apply)

5th-Wheel/Gooseneck Trailer Tow Prep Package includes I under-bed-frame crossmember. 5 pickup bed 5th-wheel/gooseneck attachment points and close-out plugs, and an integrated 7-pin connector on the driver's side pickup bed wall (n/a with stowable bed extender)

9,900-lb. GVWR Package (F-250)

10,000-lb. GVWR Package (F-350 SRW)

11,400-lb. GVWR Package (F-350 SRW 4x4 and F-350 SRW SuperCab/Crew Cab 4x2 with 8' box: requires 18" wheels and diesel engine)

Camper Package includes front springs upgrade (unless maximum springs have been computerselected as included equipment), rear stabilizer bar (SRW), slide-in-camper certification and auxiliary rear springs on F-250 (restrictions apply)

Chrome Package includes chrome exhaust tip, chrome tow hooks, unique chrome mirror caps, chrome cargo tie-down hooks, 6" chrome angular cab steps and 18" chrome-clad aluminum wheels with LT275/65R18 all-season BSW tires (on SRW only)

CNG/LPG Gaseous Engine Prep Package includes hardened engine intake valves and valve seats and bi-fuel manifold (F-250/F-350 with gas engine only)

FX4 Off-Road Package includes transfer case and fuel tank skid plates, Hill Descent Control™ (SRW only), Rancho® shocks and FX4 Off-Road box decals (restrictions apply)

Heavy-Service Front Suspension Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment; restrictions apply)

Snow Plow Prep Package includes computerselected springs for snow plow application and extra-heavy-duty alternator with diesel engine only (4x4 only; restrictions apply)



17" Polished Forged-Aluminum Standard: F-350 DRW/F-450°



18" Bright-Machined 18" Chrome-Clad Aluminum tion PreasteAlbminum Included: F-250/F-350 SRW Standard: F-250/F-350 SRW w/Chrome Package



20" Premium Cast-Aluminum Optional: F-250/F-350 SRW 4x4



20" Chrome-Clad Aluminum Optional: F-250/F-350 SRW 4x4 w/Chrome Package





F-450 KING RANCH Crew Cab 4x4. Kodiak Brown. Chrome Package. Available equipment. KING RANCH Crew Cab. Chaparral leather trim. Black interior. Available equipment.

Includes all LARIAT features, plus:

Seating

Chaparral leather-trimmed seats with "KING RANCH" seat back logo

Easy entry/exit driver's seat memory feature
Heated/cooled driver and front-passenger seats

Interior

Navigation System with HD Radio™ Technology

Flooring – Color-coordinated carpeted floor mats with King Ranch logo

Memory Group includes memory feature for power trailer tow mirrors, 10-way power driver's seat, and power-adjustable pedals

Remote Start System

Steering wheel – Chaparral leather-wrapped with secondary audio, cruise and 5-button message center controls

Unique woodgrain-style instrument panel accents
Universal garage door opener

Exterior

Accent-color wheel-lip moldings (SRW)

Body-color bodyside moldings (SRW)

Bumpers – Accent-color monochromatic

Cab steps – Illuminated accent-color platform

Cargo box – Accent-color box top and tailgate moldings

Grille – Body-color surround with chrome insert

Mirrors – PowerScope® power-telescoping/-folding trailer tow with memory, power/heated glass, heated manual spotter mirrors, integrated clearance lamps and turn signal indicators with body-color mirror caps

Two-tone lower-accent paint

Available Options

Mechanical

6.7L Power Stroke® V8 Turbo Diesel B20-capable engine (standard on F-450)

5th-wheel hitch kit (requires 8' box; includes 18K hitch on SRW or 25K hitch on DRW)¹

Gooseneck hitch kit1

Alternators – Dual, 357-amp total (diesel engine only)

Engine block heater

(standard in 15 cold-weather states)

Power take-off (PTO) provision allows transmission-mounted live-drive and stationary modes (diesel engine only)

Rear axle – Electronic-locking (F-250/F-350 SRW only)

Rear axle – Limited-slip (F-350 DRW: standard on F-450)

20" premium painted cast-aluminum wheels – 4 (F-250/F-350 SRW 4x4 only)

20" chrome-clad aluminum wheels – 4 (requires Chrome Package; F-250/F-350 SRW 4x4 diesel engine only; SuperCab and Crew Cab only)

LT275/70R18 all-terrain BSW tires – 4 (F-250/F-350 SRW 4x4)

LT275/70R18 all-terrain OWL tires – 4 (F-250/F-350 SRW 4x4)

LT275/65R20 all-terrain OWL tires – 4 (F-250/F-350 SRW 4x4)

LT245/75R17 all-terrain BSW tires – 5 (DRW) LT245/75R17 all-terrain OWL tires – 4 (DRW)

Seating

Heated rear outboard seats

Interior

Rapid-heat supplemental cab heater (requires diesel engine)

Upfitter switches located on instrument panel (4)

Exterior

Bed mat (restrictions apply)

Bedliner - Plastic drop-in

Bedliner – Tough Bed® spray-in includes tailgate guard and black bed bolts

Cable Lock by Master Lock®2

Crew Chief[™] powered by Telogis^{®2} – Fleet tracking system (includes 1 year of Crew Chief service)

Exterior backup alarm²

Power-sliding moonroof

Roof clearance lamps (standard on DRW)

Skid plates – Transfer case and fuel tank (4x4 only)
Soft roll-up tonneau cover²

Splash guards

(front and rear on SRW; rear only on DRW)

Stowable bed extender (F-250/F-350 SRW only)

Tailgate step includes step, tailgate assist and grab bar

Wheel-well liners (SRW only)

Available Packages

KING RANCH with Chrome Package includes chrome exhaust tip, chrome tow hooks, unique chrome mirror caps, chrome cargo tie-down hooks, 6" chrome angular cab steps, and 18" chrome-clad aluminum wheels with LT275/65R18 all-season BSW tires (on SRW only)

5th-Wheel/Gooseneck Trailer Tow Prep

Package includes 1 under-bed-frame crossmember, 5 pickup bed 5th-wheel/gooseneck attachment points and close-out plugs, and an integrated 7-pin connector on the driver's side pickup bed wall (n/a with stowable bed extender)

9,900-lb. GVWR Package (F-250)

10,000-lb. GVWR Package (F-350 SRW)

11,400-lb. GVWR Package (F-350 SRW 4x4 and F-350 SRW SuperCab/Crew Cab 4x2 with 8' box; requires 18" wheels and diesel engine)

Camper Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment), rear stabilizer bar (SRW), slide-in-camper certification and auxiliary rear springs on F-250 (restrictions apply)

CNG/LPG Gaseous Engine Prep Package includes hardened engine intake valves and valve seats and bi-fuel manifold (F-250/F-350 with gas engine only)

FX4 Off-Road Package includes transfer case and fuel tank skid plates, Hill Descent Control™ (SRW only), Rancho® shocks and FX4 Off-Road box decals (restrictions apply)

Heavy-Service Front Suspension Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment; restrictions apply)

Snow Plow Prep Package includes computerselected springs for snow plow application and extra-heavy-duty alternator with diesel engine only (4x4 only; restrictions apply)

¹Requires 5th-Wheel/Gooseneck Trailer Tow Prep Package. See your dealer for details. ²Ford Licensed Accessory. See your dealer for limited warranty details.



17" Polished Forged-Aluminum Standard: **F-350 DRW/F-450**



Cast-Aluminum

Standard: F-250/F-350 SRW



18" Chrome-Clad Aluminum Included: F-250/F-350 SRW w/Chrome Package



20" Premium Painted

Cast-Aluminom Provid

Optional: F-250/F-350 SRW 4x4



20" Chrome-Clad Aluminum

yOptional: F-250/F-350 SRW 4x4

w/Chrome Package





Standard: F-250/F-350 SRW

F-350 PLATINUM Crew Cab 4x4. Ruby Red. Available equipment. PLATINUM Crew Cab. Charcoal Black leather trim. Available equipment.

Includes all LARIAT features, plus:

Mechanical

20" 7-spoke cast-aluminum wheels with black-painted pockets (SRW)

LT275/65R20 all-terrain OWL tires (SRW)

Seating

Premium leather-trimmed seats with tuxedo stripe design and "PLATINUM" seat back embroidery

Easy entry/exit driver's seat memory feature
Heated/cooled driver and front-passenger seats

Interior

Navigation System with HD Radio™ Technology

Memory Group includes memory feature for power trailer tow mirrors, 10-way power driver's seat, and adjustable pedals

Remote Start System

Steering wheel – Heated, premium leather-wrapped with genuine walnut swirl wood accent, and secondary audio, cruise and 5-button message center controls

Unique woodgrain-style instrument panel accents
Universal garage door opener

Exterior

Body-color bodyside moldings (SRW)

Bumpers - Body-color

Cab steps – 6" chrome angular

Cargo box – Chrome cargo tie-down hooks

Chrome exhaust tip

Door handles – Chrome with body-color bezels

Grille – Satin-chrome surround

with bright chrome bars

Mirrors – PowerScope® power-telescoping/-folding trailer tow with memory, power/heated glass, heated manual spotter mirrors, integrated clearance lamps and turn signal indicators, and chrome mirror caps

Raised chrome "PLATINUM" box-side lettering

Satin-chrome tailgate appliqué

Tailgate step includes step, tailgate assist and grab bar

Tow hooks - Chrome, 2 in front

Available Options

Mechanical

6.7L Power Stroke® V8 Turbo Diesel B20-capable engine (standard on F-450)

5th-wheel hitch kit (requires 8' box; includes 18K hitch on SRW or 25K hitch on DRW)¹

Gooseneck hitch kit1

Alternators – Dual, 357-amp total (diesel engine only)

Engine block heater (standard in 15 cold-weather states)

Power take-off (PTO) provision allows transmission-mounted live-drive and stationary modes (diesel engine only)

Rear axle – Electronic-locking (F-250/F-350 SRW only)

Rear axle – Limited-slip (F-350 DRW: standard on F-450)

LT245/75R17 all-terrain BSW tires – 5 (DRW)

LT245/75R17 all-terrain OWL tires – 4 (DRW)

Seating

Heated rear outboard seats

Interior

Rapid-heat supplemental cab heater (requires diesel engine)

Upfitter switches located on instrument panel (4)

Exterior

Bed mat (restrictions apply)

Bedliner - Plastic drop-in

Bedliner – Tough Bed® spray-in includes tailgate guard and black bed bolts

Cable Lock by Master Lock®2

Crew Chief[™] powered by Telogis^{®2} – Fleet tracking system (includes 1 year of Crew Chief service)

Exterior backup alarm²

Power-sliding moonroof

Roof clearance lamps (standard on DRW)

Skid plates – Transfer case and fuel tank

Soft roll-up tonneau cover²

Splash guards

(front and rear on SRW; rear only on DRW)

Stowable bed extender (F-250/F-350 SRW only)

Wheel-well liners (SRW only)

Available Packages

5th-Wheel/Gooseneck Trailer Tow Prep

Package includes I under-bed-frame crossmember, 5 pickup bed 5th-wheel/gooseneck attachment points and close-out plugs, and an integrated 7-pin connector on the driver's side pickup bed wall (n/a with stowable bed extender)

9,900-lb. GVWR Package (F-250)

10,000-lb. GVWR Package (F-350 SRW)

11,400-lb. GVWR Package (F-350 SRW 4x4 and F-350 SRW SuperCab/Crew Cab 4x2 with 8' box; requires 18" wheels and diesel engine)

Camper Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment), rear stabilizer bar (SRW), slide-in-camper certification and auxiliary rear springs on F-250 (DRW only on PLATINUM; restrictions apply)

CNG/LPG Gaseous Engine Prep Package includes hardened engine intake valves and valve seats and bi-fuel manifold (F-250/F-350 with gas engine only)

FX4 Off-Road Package includes transfer case and fuel tank skid plates, Hill Descent Control™ (SRW only), Rancho® shocks and FX4 Off-Road box decals (restrictions apply)

Heavy-Service Front Suspension Package includes front springs upgrade (unless maximum springs have been computer-selected as included equipment; restrictions apply)

Snow Plow Prep Package includes computerselected springs for snow plow application and extra-heavy-duty alternator with diesel engine only (4x4 only; restrictions apply)

¹Requires 5th-Wheel/Gooseneck Trailer Tow Prep Package. See your dealer for details. ²Ford Licensed Accessory. See your dealer for limited warranty details.



17" Polished Forged-Aluminum Standard: F-350 DRW/F-450 W/Black-Painted Pockets



Ingot Silver Metallic







1 Steel HD Vinyl

2 Steel Cloth









Sterling Gray Metallic

Oxford White

3 Adobe Cloth 4 Adobe Leather





5 Charcoal Black Leather

6 Chaparral Leather







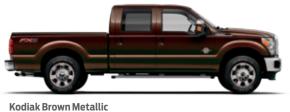


Vermillion Red

7 Pecan Leather

8 Charcoal Black Leather







Tuxedo Black Metallic



Ruby Red Metallic Tinted Clearcoat



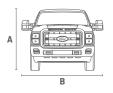


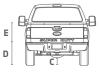
leans Metallic	Green Gem Metallic

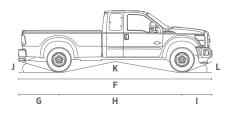
Exteriors	Iwo-Ione		interiors									
		XL		Х	XLT		IAT	KING RANCH®2	PLAT	INUM		
White Platinum Metallic Tri-coat ¹						4	5	6	7	8		
Oxford White		1	2	2	3	4	5	6				
Ingot Silver Metallic		1	2	2			5			8		
Sterling Gray Metallic		1	2	2			5					
Pale Adobe Metallic				2	3	4	5					
Vermillion Red		1	2	2	3	4	5					
Ruby Red Metallic Tinted Clearcoat ¹					3	4	5	6		8		
Kodiak Brown Metallic					3	4	5	6	7	8		
Blue Jeans Metallic		1	2	2	3	4	5	6				
Green Gem Metallic		1	2	2	3	4	5	6				
Tuxedo Black Metallic		1	2	2	3	4	5	6	7	8		

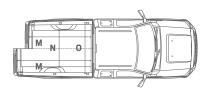
- Pale Adobe Two-Tone Accent exterior standard on KING RANCH, optional on LARIAT
- Sterling Gray Two-Tone Accent exterior optional on LARIAT with Charcoal Black Leather interior only











DIMENSIONS

Enterior	Regular Cab LWB	SWB	LWB	Crew Cab SWB	LWB
Exterior	4x2/4x4	4x2/4x4	4x2/4x4	4x2/4x4	4x2/4x4
A. Height – F-250 SRW (w/o options)	76.6"/79.2"	77.0"/79.5"	76.9"/79.3"	77.4"/79.7"	77.3"/79.8"
A. Height – F-350 SRW (w/o options)	76.5"/80.0"	76.9"/80.4"	76.7"/80.2"	77.2"/80.8"	77.2"/80.8"
A. Height – F-350 DRW (w/o options)	76.7"/79.5"	-	76.9"/79.7"	-	77.3"/79.9"
A. Height – F-450 DRW (w/o options)	-	_	_	_	79.7"
B . Width – SRW (excl. mirrors)	79.9"	79.9"	79.9"	79.9"	79.9"
B . Width – DRW (excl. mirrors)	96.0"	_	96.0"	_	96.0"
B . Width – With mirrors	104.9"	104.9"	104.9"	104.9"	104.9"
B . Width – With mirrors extended	110.0"	110.0"	110.0"	110.0"	110.0"
C. Ground clearance – F-250 SRW	8.5"/8.2"	8.5"/8.2"	8.5"/8.1"	8.5"/8.1"	8.5"/8.1"
C. Ground clearance – F-350 SRW	8.5"/8.2"	8.5"/8.2"	8.5"/8.2"	8.5"/8.2"	8.5"/8.2"
C. Ground clearance – F-350 DRW	8.1"/8.0"	_	8.1"/8.0"	_	8.0"/8.0"
C. Ground clearance – F-450 DRW	-	_	_	_	8.0"
D . Load floor height – F-250 SRW	35.2"/36.3"	34.8"/35.6"	34.4"/35.4"	34.2"/35.1"	34.1"/35.0"
D . Load floor height – F-350 SRW	34.7"/38.5"	34.4"/37.9"	34.1"/38.0"	33.9"/37.8"	33.8"/37.7"
D . Load floor height – F-350 DRW	35.0"/36.4"	_	34.3"/35.7"	_	34.1"/35.6"
D . Load floor height – F-450 DRW	-	_	_	_	35.4"
E. Cargo box height	20.0"	20.0"	20.0"	20.0"	20.0"
F. Length	227.6"	232.4"	248.6"	246.8"	263.0"
G . Overhang – Rear	52.4"	52.4"	52.4"	52.4"	52.4"
H . Wheelbase	137.0"	141.8"	158.0"	156.2"	172.4"
I. Overhang – Front	38.1"	38.1"	38.1"	38.1"	38.1"
J. Angle of departure – F-250 SRW	17.8º/19.2º	17.4º/18.5º	17.0º/18.3º	16.7º/18.0º	16.7º/17.9º
J. Angle of departure – F-350 SRW	17.3º/21.5º	17.0º/20.9º	16.6º/21.1º	16.4º/20.8º	16.3º/20.8º
J. Angle of departure – F-350 DRW	17.6º/19.3º	_	16.9º/18.7º	_	16.7º/18.5º
J. Angle of departure – F-450 DRW	-	-	-	-	18.30

Exterior	Regular Cab LWB 4x2/4x4	SuperCab SWB 4x2/4x4	LWB 4x2/4x4	Crew Cab SWB 4x2/4x4	LWB 4x2/4x4
K . Ramp breakover angle – F-250 SRW	17.5º/20.4º	16.9º/19.8º	15.8º/18.1º	15.7º/18.1º	15.0º/17.3º
K . Ramp breakover angle – F-350 SRW	17.2º/21.5º	16.7º/20.9º	15.6º/19.2º	15.5º/19.2º	14.8º/18.2º
K . Ramp breakover angle – F-350 DRW	17.5º/20.4º	_	15.9º/18.6º	_	15.0º/17.4º
K . Ramp breakover angle – F-450 DRW	_	_	_	_	17.0°
L . Angle of approach – F-250 SRW	18.0º/19.4º	18.19/20.19	18.7º/20.0º	18.7º/20.0º	18.9º/20.6º
L . Angle of approach – F-350 SRW	18.19/18.89	18.2º/19.5º	18.8º/19.3º	18.8º/19.3º	19.0º/20.0º
L . Angle of approach – F-350 DRW	18.2º/19.2º	-	19.0º/20.6º	-	19.10/20.30
L . Angle of approach – F-450 DRW	_	_	_	_	19.80
Interior					
Front head room	40.7"	40.7"	40.7"	40.7"	40.7"
Front shoulder room	68.0"	68.0"	68.0"	68.0"	68.0"
Front hip room	67.6"	67.6"	67.6"	67.6"	67.6"
Front leg room	41.1"	41.1"	41.1"	41.1"	41.1"
Rear head room	-	38.1"	38.1"	40.8"	40.8"
Rear shoulder room	_	68.1"	68.1"	68.0"	68.0"
Rear hip room	_	67.3"	67.3"	67.6"	67.6"
Rear leg room	_	31.6"	31.6"	42.1"	42.1"
Cargo Box					
Volume (cu. ft.)	77.3	64.1	77.3	64.1	77.3
M. Length at floor	98.0"	81.8"	98.0"	81.8"	98.0"
N. Width at wheelhouse	50.9"	50.9"	50.9"	50.9"	50.9"
O. Width at floor (maximum)	69.3"	69.3"	69.3"	69.3"	69.3"

SRW = single rear wheel DRW = dual rear wheel SWB = short wheelbase (63% cargo box) LWB = long wheelbase (8' cargo box)













40/20/40







40/console/40 40/mini-console/40

	Regular Cab	SuperCab	Crew Cab	6¾¹ Box Size	8' Box Size	split front seat	front bucket seats	front bucket seats
XL								
XLT								
LARIAT								
KING RAI	NCH							
PLATINU	М					Infor	mation Provided by:	

INTERIOR STORAGE (cu. ft.)

Front 40/20/40 split seat center under-seat lockable storage – 0.36 Front flow-through center console main bin – 1.23 Rear Crew Cab 60/40 split bench under-seat lockable storage – 1.17





MAXIMUM PAYLOAD WEIGHT RATINGS (lbs.)

		Regular Cab	SuperCa	ab	Crew Ca	b
	Max. GVWR	137.0" WB	141.8" WB	158.0" WB	156.2" WB	172.4" WB
F-250 SRW 4x2	9,900 10,000	4,130 4,240	3,760 3,860	3,660 3,760	3,540 3,640	3,440 3,540
F-250 SRW 4x4	9,900 10,000	3,630 3,780	3,350 3,450	3,250 3,350	3,150 3,250	3,040 3,140
F-350 SRW 4x2	10,000 10,200 10,500 10,700 10,800 10,900 11,000 11,100 11,400 11,500	4,080 4,540 4,390 	3,790 4,250 3,810 4,070 	3,720 3,920 — 3,780 4,580 — 4,330 4,430	3,600 3,800 - 4,260 3,740 - - - 4,300	3,470
F-350 SRW 4x4	10,000 10,400 10,500 10,600 10,700 10,800 11,000 11,100 11,200 11,300 11,400 11,500	3,660 4,060 4,110 3,810 3,970 4,680 4,930 4,330 4,430	3,400 - 3,900 3,950 - - 4,420 3,910 - 4,080 4,180	3,310 -, 4,010 4,070 4,240 3,770 3,830 3,900 4,000	3,210 3,810 3,970 3,750 4,440 3,870 3,970	3,100
F-350 DRW 4x2	13,500 13,900 14,000	7,260 — 7,060	_ _ _	- 7,210 6,560	_ _ _ _	_ _ _ 7,080
F-350 DRW 4x4	13,800 14,000	7,090 6,640		- 6,890	_ _	- 6,670
F-450 DRW 4x4	14,000	_	_	_	_	5,880

WB = wheelbase

CONVENTIONAL TOWING — MAXIMUM LOADED TRAILER WEIGHT RATINGS (lbs.)

Autom			Regular Cab							Cab					Crew Cab F-250/					
Engine	Axle Ratio	GCWR	F-250 SRW 4x2	F-350 SRW 4x2	F-350 DRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x4	F-250 SRW 4x2	F-350 SRW 4x2	F-350 DRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x4	F-350 SRW 4x2	F-350 DRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x4	F-450 DRW 4x4
6.2L 2-valve FFV	3.73 4.30	19,000 19,500 22,000 22,500	, , , , ,	12,500 - 12,500 -	- 13,100 - 15,000	12,500 - 12,500 -	12,500 - 12,500 -	- 12,700 - 15,000	12,500 - 12,500 -	12,500 - 12,500 -	- 12,700 - 15,000	12,400 - 12,500 -	12,300 - 12,500 -	- 12,300 - 15,000	12,500 - 12,500 -	- 12,500 - 15,000	12,200 - 12,500 -	12,100 - 12,500 -	- 12,100 - 15,000	_ _ _ _
6.7L V8 Turbo Diesel	3.31 3.55 3.73 4.30	23,500 23,500 30,500 33,000	12,500	12,500 12,500 — —	- - 15,000 -	12,500 12,500 — —	12,500 12,500 - -	_ _ 15,000 _	14,000 14,000 — —	14,000 14,000 — —		14,000 14,000 — —	14,000 14,000 — —		14,000 14,000 — —	 - 18,500 -	14,000 14,000 — —			_ _ _ _ 18,500

5TH-WHEEL TOWING — MAXIMUM LOADED TRAILER WEIGHT RATINGS (lbs.)

Autom	natic mission		RegularCab							ab				Crew Cab F-250/						
Engine	Axle Ratio	GCWR	F-250 SRW 4x2	F-350 SRW 4x2	F-350 DRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x4	F-250 SRW 4x2	F-350 SRW 4x2	F-350 DRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x4		F-350 DRW 4x2	F-250 SRW 4x4	F-350 SRW 4x4	F-350 DRW 4x4	F-450 DRW 4x4
6.2L 2-valve FFV	3.73 4.30	19,000 19,500 22,000 22,500	15,900	12,900 - 15,900 -	- 13,000 - 16,000	12,500 - 15,500 -	12,500 - 15,500 -	- 12,600 - 15,600	12,700 - 15,700 -	12,600 - 15,600 -	- 12,600 - 15,600	12,300 - 15,300 -	12,200 - 15,200 -	- 12,200 - 15,200	12,400 - 15,400 -	- 12,400 - 15,400	12,100 - 15,100 -	12,000 - 15,000 -	- 12,000 - 15,000	- - -
6.7L V8 Turbo Diesel	3.31 3.55 3.73 4.30	23,500 23,500 30,500 33,000	l	16,700 16,700 —	_ _ 23,200 _	16,400 16,400 —	.,	_ _ 22,900 _	16,500 16,500 —	16,400 16,400 —	_ _ 22,800 _	16,100 16,100 —	16,100 16,100 —	_ _ 22,400 _	16,300 16,300 —	_ _ 22,600 _	15,900 15,900 — —	15,900 15,900 —	_ _ 22,200 _	_ _ _ _ 24,700





Case 3:19-cv-00398-CLS Document 22 Filed 09/06/19 Page 54 of 54



New Vehicle Limited Warranty. We want your Ford F-Series Super Duty® ownership experience to be the best it can be. Under this warranty, your new vehicle comes with 3-year/36,000-mile bumper-to-bumper coverage, 5-year/60,000-mile bumper-to-bumper coverage, 5-year/60,000-mile bumper-to-bumper coverage, 5-year/60,000-mile bumper-to-bumper coverage, 5-year/60,000-mile warranty coverage, and 5-year/unlimited-mile corrosion (perforation) coverage – all with no deductible. The Ford 6.7L Power Stroke® diesel engine gets 5-year/100,000-mile warranty coverage. Please ask your Ford Dealer for a copy of this limited warranty.

Roadside Assistance. Covers your vehicle for 5 years or 60,000 miles, so you have the security of knowing that help may be only a phone call away should you run out of fuel, lock yourself out of the vehicle or need towing. Your Ford Dealer can provide complete details on all of these advantages.
Ford Credit. Get the ride you want. Whether you plan to lease or finance, you'll find the choices that are right for you at Ford Credit. Ask your Ford Dealer for details or check us out at fordcredit.com.
Ford Extended Service Plan. For a purchase or lease, the Ford Extended Service Plan (ESP) gives you "Peace-of-Mind" protection designed to cover key vehicle components and protect you from the cost of unexpected repairs. Ask your dealer for a Ford ESP, the only service contract backed exclusively by Ford and honored at all Ford Lincoln dealerships.
Insurance Services. Get Ford Motor Company quality in your auto insurance. Our program offers industry-leading benefits and competitive rates. Call 1-877-367-3847, or visit us at fordvip.com for a no-obligation quote. Insurance offered by American Road Services Company (in CA, American Road Insurance Agency), a licensed agency and subsidiary of Ford Motor Company.
Genuine Ford Accessories will be warranted for whichever provides you the greatest benefit: 12 months or 12,000 miles (whichever occurs first), or the remainder of your Bumper-to-Bumper 3-year/36,0

Comparisons based on 2013/2014 competitive models (class is Full-Size Pickups over 8,500 lbs. GVWR), publicly available information and Ford certification data at time of release. Some features discussed may be optional. Vehicles throughout this PDF are shown with optional and aftermarket equipment. Features shown may be offered only in combination with other options or subject to additional ordering requirements or limitations. Dimensions and capacity ratings shown may vary due to optional features and/or production variability. Following release of the PDF, certain changes in standard equipment, options and the like, or product delays may have occurred which would not be included in these pages. Your Ford Dealer is the best source for up-to-date information. Ford Division reserves the right to change product specifications at any time without incurring obligations. Body manufacturers are responsible for compliance certification of the completed vehicle. The Ford New Vehicle Limited Warranty and any government certification made by Ford shall cover only the vehicle as manufactured by Ford and shall not extend to any addition, modification or change of or to the vehicle by the Ford Authorized Pool Account.

| HD Radio is a proprietary trademark of iBiquity Digital Corp.
| iPod is a trademark of Apple Inc., registered in the U.S. and other countries.
| King Ranch is a registered trademark of Microsoft Corporation.
| Rancho is a registered trademark of Tenneco Automotive Operating Company Inc.
| SiriusXM Satellite Radio, SiriusXM Traffic and Travel Link subscriptions sold separately or as a package after trial period. See SiriusXM Customer Agreement for complete terms at siriusxm.com. Fees and programming subject to change. Sirius satellite service is available only to those at least 18 years of age in the 48 contiguous USA, DC, and Puerto Rico (with coverage limitations). Sirius, XM and all related marks and logos are trademarks of Sirius XM Radio Inc.
| Sony is a registered trademark of the Sony Cor

Follow Ford:











